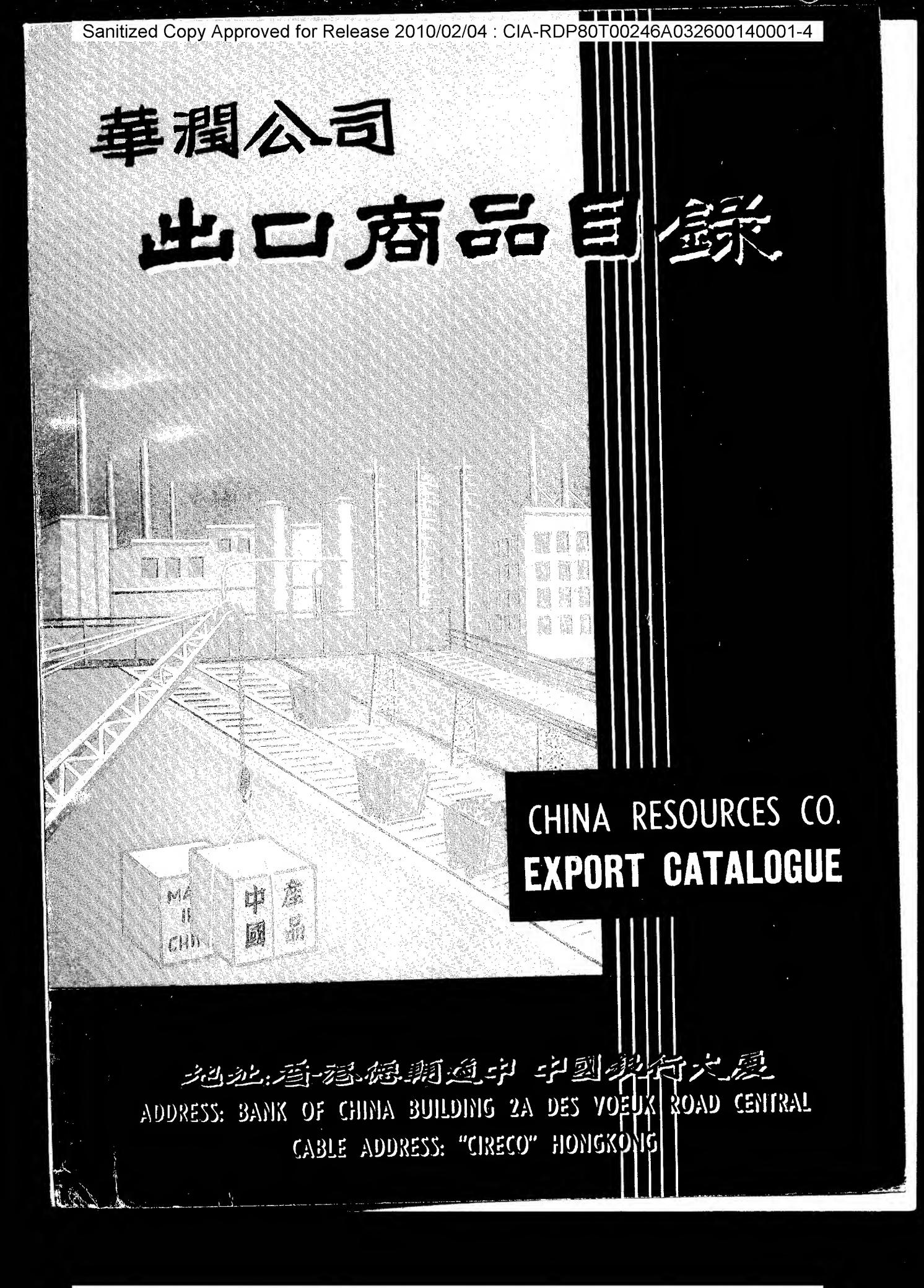
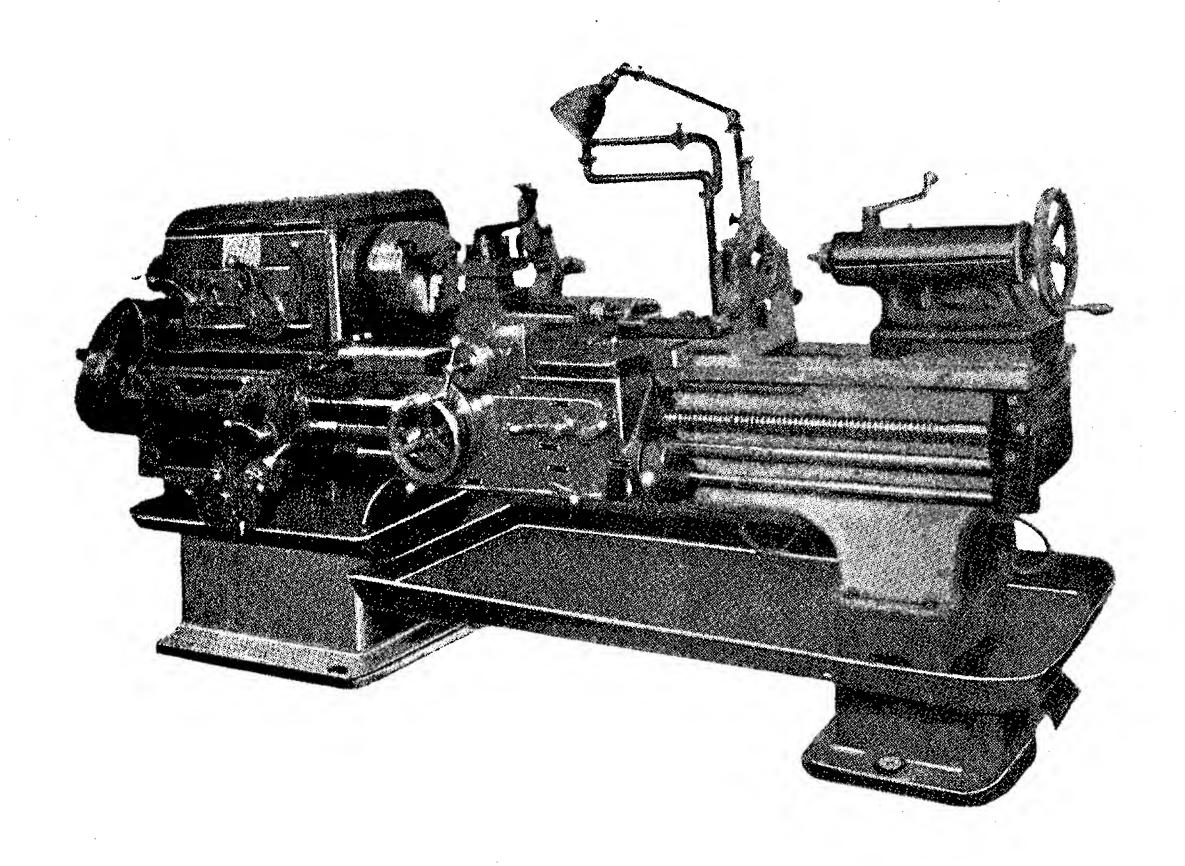
Sanitized Copy Approved for Release 2010/02/04 : CIA-RDP80T00246A032600140001-4 INFORMATION REPORT INFORMATION CENTRAL INTELLIGENCE AGENCY This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law. C-O-N-F-I-D-E-N-T-I-A-L 25X1 China **REPORT** COUNTRY February 1957 Chinese Communist Exports DATE DISTR. **SUBJECT** ENCLOSURE ATTACHED NO. PAGES REQUIREMENT PLEASE ROUTE RD **REFERENCES** DATE OF INFO. PLACE & DATE ACQ. SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE. export catalog of the China Resources Company. includes photographs, descriptions, and specifications of some fifty machines, including lathes, presses, knitting machines, bakery equipment, and other items. Other items, including diesel engines, air compressors, centrifugal pumps, drilling machines, a multitool semi-automatic lathe, complete equipment for manufacturing enamelware, and other manufactured products, are not illustrated but are described more or less briefly. 25X1 is not classified when Attachment detached from this report. 25X1 Treas BFC STATE ARMY NAVY AEC (Note: Washington distribution indicated by "X"; Field distribution by "#".)

25X1





普通車床 ALL GEARED LATHE



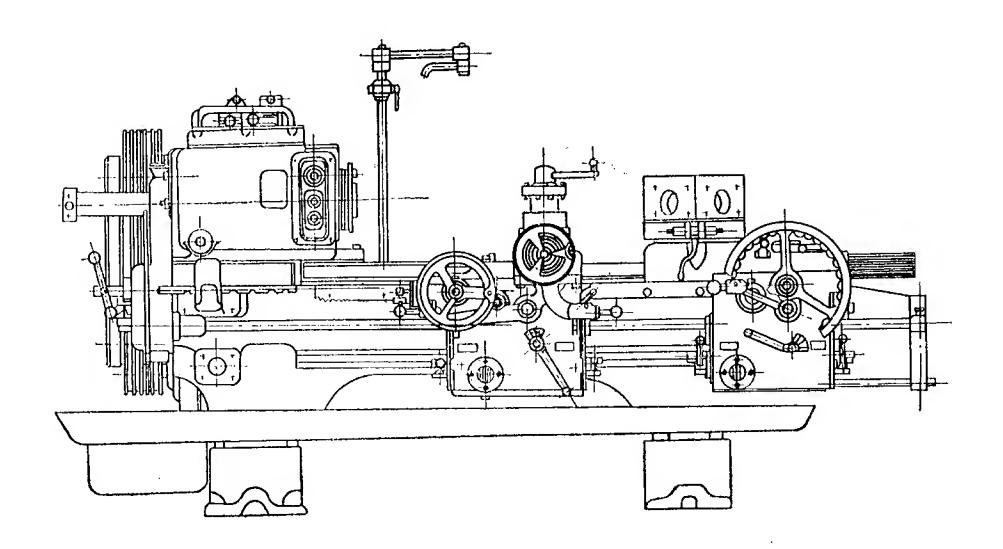
中國機械進口公司經售 Exported by CHINA NATIONAL MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

			Cap	acity	,					-		
Height of centers, mm				• • •		• • •						200
Maximum distance betwee	n centers.	mm	• • •		•		•••	7	 5⊜∙	1000.	1500;	
Bar capacity, mm	•••				• • •	•••	• • •	, .	<i>5</i> 0,	,000,	1500,	3.7
Maximum swing over cros	s slide. m	m		•••				• • •	• • •	• • •		3.7 210
Maximum swing over bed	wavs. mn	n .	•••	, , ,	• • •	• • •	• • •	• • •	• • •	- • •		
Maximum length of turnin	a (accordi	na to	. diet	ance	hetu	/000	cente	rc)	•••	* * *		400
mm		i,g to	0130	.arrice	DECV	VECII	Cente	(3)	450.	000	1400	1000
Threads that can be cut:	• • • • • • •	•••	• • •	•••	•••	•••	* * •	,	J50;	900,	1400;	1900
Metric, pitch in mi	m											1 100
English, threads pe	r inch	• • •				• • •	• • •	• • •	• • •	• • •		1-192
Module	•••	• • •	• • •	•••	• • •	• • •	• • •	• • •	• • •	• • •		242
Diametral pitch		• • •	• • •	• • •	* * *	• • •	* * *	• • •	* * *	• • •		5-48
Premeral preen	***	* * *	•••	•••	• • •	•••	• • •	•••	• • •	• • •		96—1
				riage								
Maximum travel (power or	manual f	eed),	mm	:								
longitudinal (accord	ling to dis	stance	bet	ween	cent	ers)	• • •	6	550;	900;	1400;	1900
cross	• • • • • • •		• • •	• • •	•••		•••		•••	•••	,	280
Distance from tool botton	n to cente	er line	e, mr	n		• • •	•••			• • •		25
Maximum swivel of top sl	lide, deg		• • •	• • •	• • •					• • •		士 45
			_	ndle								
Diameter of hole in spind	اه هم		- Pi									0.0
Taper hole in spindle	ie, iiiiii	• • •		•••			• • •	•••	• • •	• • •	h.4	38
raper note in spiritie	•••	• • •			• • •	* * *	• • •	• • •	• • •	•••	Morse	No. 5
T			Tail	stock								
Taper hole in spindle	•••			• • •	• • •		• • •				Morse	No. 4
Maximum travel of spindle	e, mm	• • •		• • •	• • •	• • •	• • •	• • •	• • •			150
Setover on side, mm	•••	• • •		• • •		• • •	• • •			• • •		土 15
		Spee	de a	and F	-eads	Ł						
Number of spindle speeds:		Opce	.03 0		eeus							
forward												0.1
reverse	•••	• • •	• • •	• • •	• • •	•••	• • •	•••	• • •	• • •		21
Range of spindle speeds, i	··· ···	• • •	• • •	•••		•••	•••		, •••	• • •		12
L	. p											1200
reverse		• • •	•••	• • •	•••	• • •	• • •	•••	• • •	• • •		-I200
Number of longitudinal an	d cross fe	odc ···	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	10-	-1520
Range of feeds, mm per r	o closs le	eos	 امطام	• • •	• • •	• • •	• • •	• • •	• • •	• • •		35
longitudinal	evolution	Oi sp	IIIGIE	•							0.00	1.50
A 11 A A A					• • •	• • •	• • •	• • •	• • •		0.08-	•
CrOSS	•••	•••	_		• • •	• • •	• • •	• • •	• • •	•••	0.027–	-O.52
		_		ive								
220/380 volt, 3 phase, 50	O cycle A	. C.	moto	ors:								
Main drive:									•			
power, kw	•••				• • •	• • •	• • •	• • •	• • •	• • •		7
speed, r. p. m	• • • • • • • • • • • • • • • • • • • •	• • •		• • •	• • •		• • •	• • •				1440
Coolant pump:												
power, kw	• • • • • • • • • • • • • • • • • • • •	• • •	• • •		• • •				• • •	• • •		0.125
power, kw speed, r. p. m	• • • • • •	• • •		•••		• • •		•••	• • •			2850
				Occup								
Overall length (according	to distance					mm		2110	٠.٠٠	650.	2180.	2600
Overall width, mm		J DGU	** GCI l	CCIII	.015);	11111	• • •	£4\	, , ,	٠٠٠٠,	5100,	
Height of machine, mm	•••	• • •	• • •	•••	• • •	• • •	• • •	• • •	• • •	• • •		1580
	•••	• • •			• • •	• • •	• • •	• • •	• • •	• • •	•	1210
				ight								
Net weight (according to	distance b	etwee	en ce	nters), kg	a	рргох	. 19	30;	2010;	2100;	2280

六 角 車 床 TURRET LATHE



中國機械進口公司經售

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BANK OF CHINA BUILDING

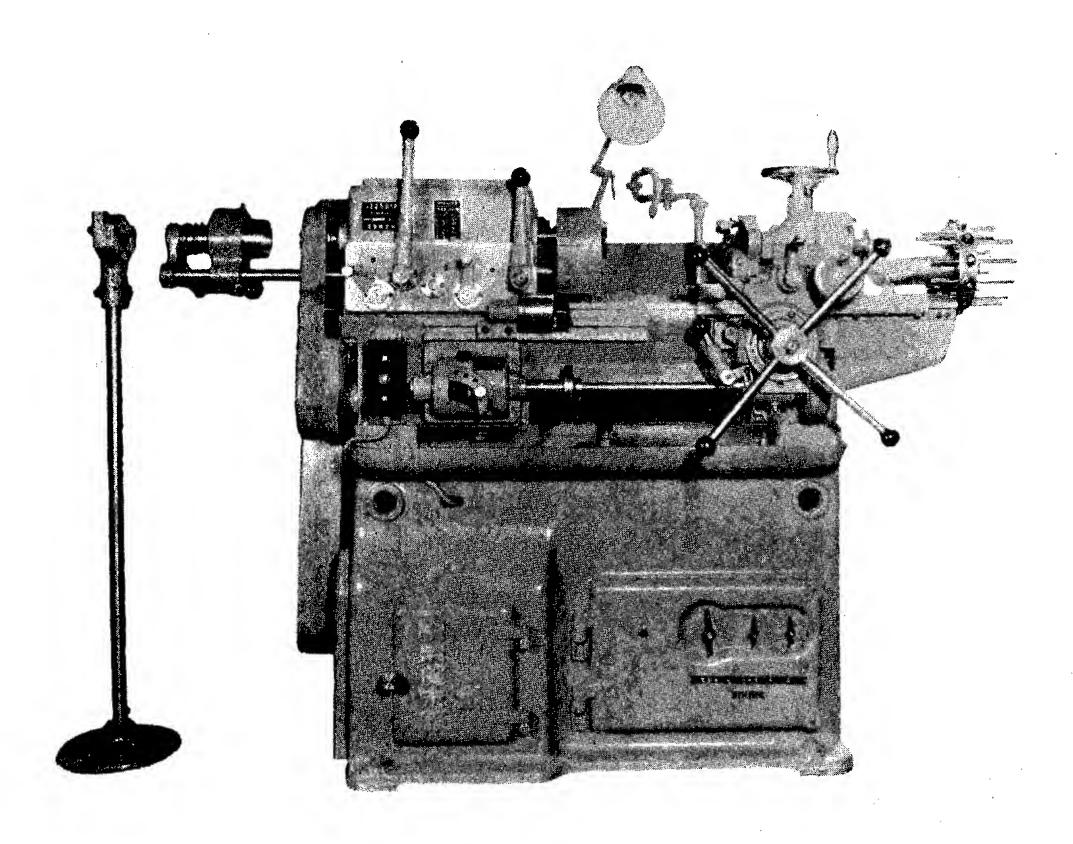
HONG KONG

CABLE ADDRESS: "CIRECO."

						Capa	acity							
Height of cente	rs, mm	•••		• • •	•••	•••	• • •	• • •	• • •			• • •	•••	210
Distance, end of											•			
minimum	•••		•••		• • •	• • •	• • •	•••	• • •		•••		• • •	260
maximum	• • •		•••	•••		• • •	•••		• • •	• • •	•••	• • •	•••	1 177
Maximum swing,	mm:													
over carri	iage	•••	•••	• • •	• • •	•••	•••	• • •			•••		• • •	420
over cros	s slide					• • •		•		• • •	•••		•••	350
over bad	ways		• • •			• 1 •		• • •	• • •	•••	• • •	• • •	•••	440
					Ца,	kagor	. т	uu a L						
Total lengitudina	al travel	l (by	/ DOV	ver a		_			• • •				• • •	917
3		(-)	PUT		,,,,	Torraga	'''	,,,,,,	•••	•••		•••		·
T . I !					_	and								
Total lengitudina				age ((pa t	oower	. and	man	ually)	, mn	٠	• • •	•••	1012
Total cross trave	el ot sl	ide,	mm	• • •		• • •	• • •	• • •	•••	•••	•••	•••	•••	259
				1	Spee	eds a	nd F	eeds						
Number of spino	lle spee	eds		• • •	•••	• • •	• • •	• • •	• • •	• • •	•••		•••	12
Range of spindle	speed	s, r.	p. n	n.:										
forward	• •••	• • • •	• • •		•••	• • •	•••	•••	•••	• • •	• • •	•••	•••	44—1000
reverse	• • • •	• • •	• • •			• • •	• • •	• • •		• • •	•••	•••	• • •	48—1094
Number of turre	et, carri	age	and	cross	slide	e fee	ds	. • •	• • •		• • •	•••		16
Range of turret	and car	rriage	e lon	gitud	linal	feeds	s, mn	n per	revo	lutio	n of	spin	dle	0.07—2.29
Range of cross s	slide fe	eds,	mm	per	revol	ution	of s	spindl	е	• • •	• • •	. • •	• • •	0.03—1.00
·						Dri	ive							
220/380 volt, 3	phase,	50	cycl	e A.	C.	moto	r:							
power, kv	v		• • •			• • •	• • •		•••	•••		# • •	• • •	10
speed, r.	p. m.		•••	• • •		•••	• • •	•••	•••	•••		•••	•••	1500
					Can	ce C) c c u c	امان						
Floor space, mm					Spa	ce C	/ccup	nea						3200 x 1780
Height of machi		١		•••	•••				•••	• • •	•••	•••	• • •	1450
			- • •	• • •	• •				- • •	•				
N1						Wei	ght							0.00
Net weight, kg	• •••	• • •	• • •		•••	• • •	• • •	•••	• • •	•••	• • •	• • •	• • •	approx. 2980

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

六 角 車 床 TURRET LATHE



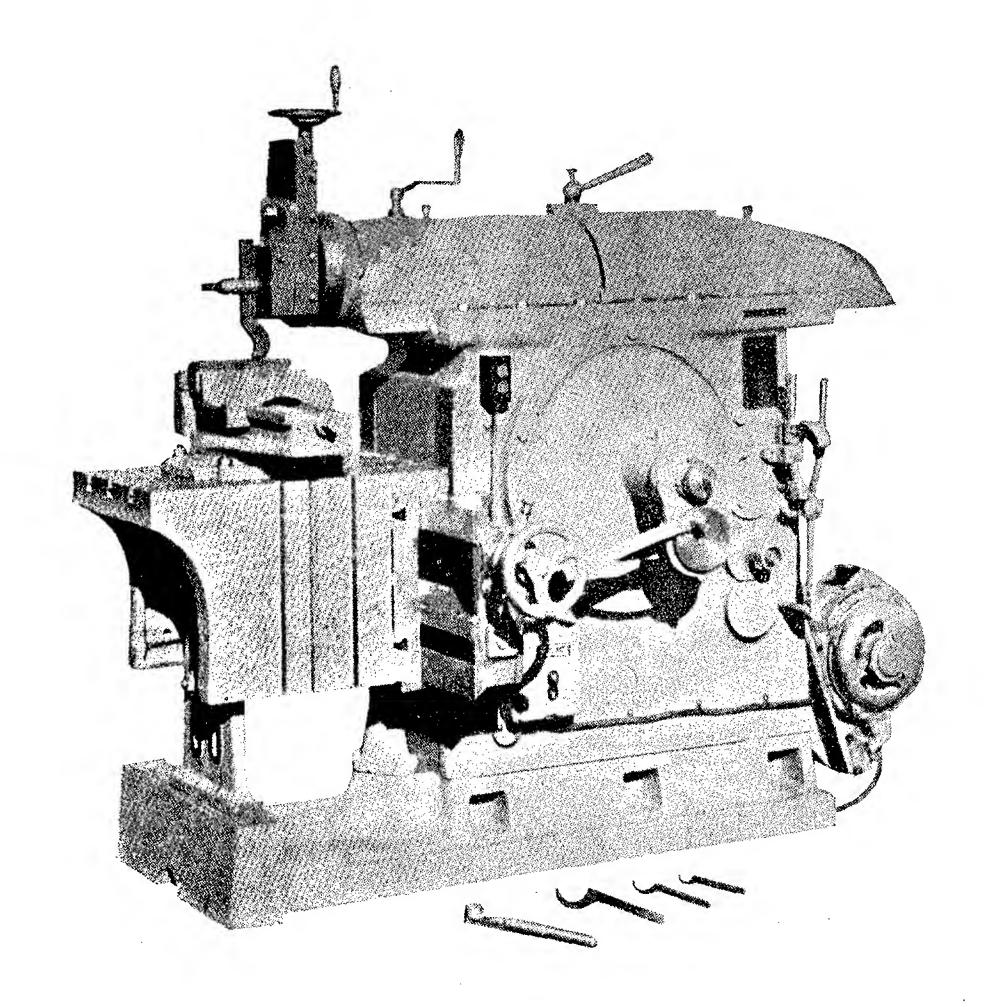
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Hong Kong Agency: CHINA RESOURCES CO.

Centre height	•••	115 mm
Distance, spindle nose to turret	•••	90-400 mm
Spindle hole, diameter	•••	26 mm.
Maximum size of bar to be turned:		
Circular diameter	•••	25 mm
Square	•••	18 mm
Hexagonal	•••	21 mm
Maximum length to be turned	•••	150 mm
Maximum chucking diameter		
Swing over carriage	•••	250 mm
Swing over bed	•••	300 mm
Maximum longitudinal travarse of turret	•••	330 mm
No. of spindle speeds	•••	6
Range of spindle speeds		140-1380 rpm.
No. of longitudinal feeds of turret	•	
Range of longitudinal feeds of turret per revolution of spindle .		
Space required (L × W × H)		
Nett weight approximately		
Electric drive motor, A. C. 3ø, 50 c. 2.2 kw. 1450 rpm and 220	•	_

牛 頭 鲍 床 CRANK SHAPER



中國機械進口公司經售 Exported by CHINA NATIONAL MACHINERY IMPORT CORPORATION

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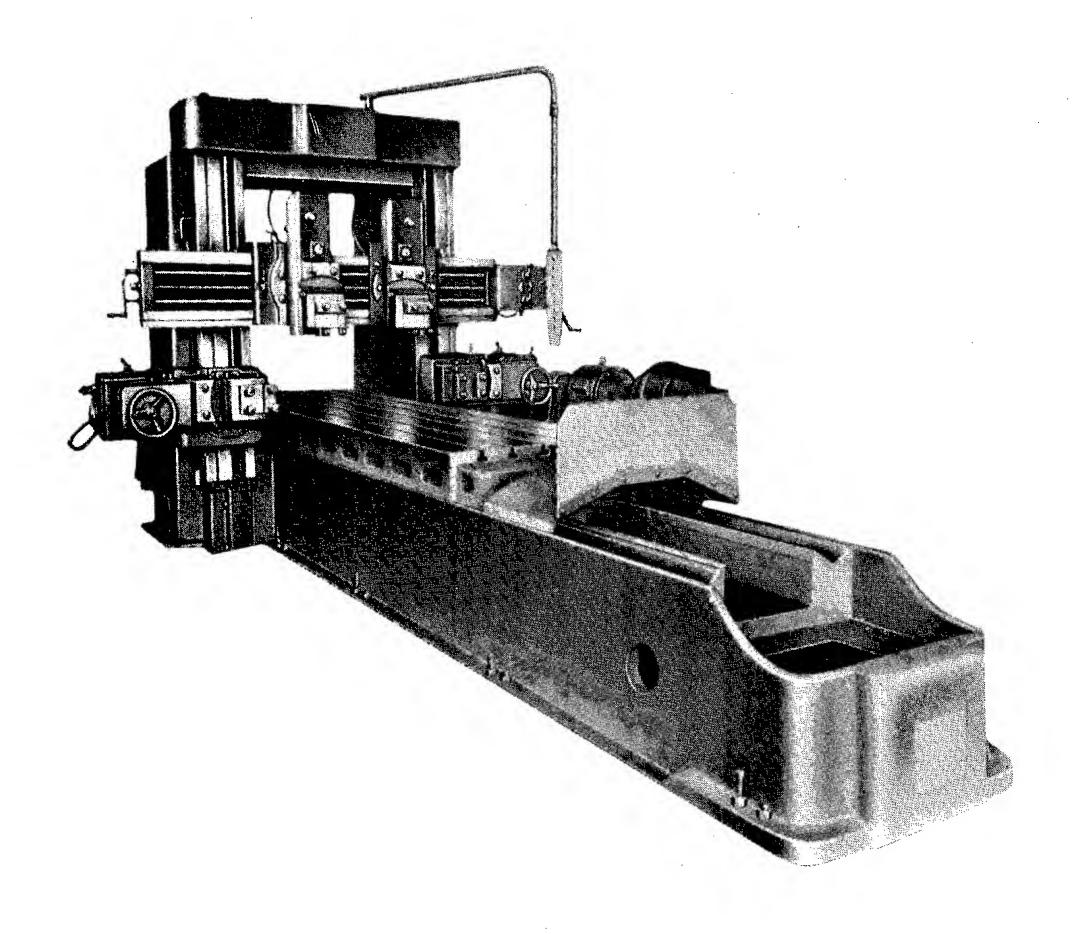
Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

			Сар	acity							
Length of ram stroke, mr	n:										
Minimum				• • •		• • •		• • •			95
Maximum							• • •	• • •	• • •		650
Distance from lower edg	e of ram to	o tab	ole, n	nm:							
Minimum				• • •	• • •						65
Maximum						• • •	• • •		• • •		370
Maximum distance from	tool bottom	n to	bed,	mm		•••		• • •	• • •		700
·			Ta	ble							
Working surface of table	, mm:										
Тор											550 × 450
Side				• • •							450 × 400
Saddle of table	• • • • • • • • • • • • • • • • • • • •							• • •			450 × 400
Maximum table traverse,	mm:										
Herizontal (pewer						• • •				• • •	600
Vertical (by hand)			• • •							• • •	300
	F)		T 1	18	1					
Maximum adjustment of			and '								± 250
Maximum adjustment of											± 20°
Maximum swivel of tool											20×30
Maximum size of tool sh											175
Maximum vertical travel of											± 60°
Maximum swivel of tool								_	_		7.00
Note: ±60° swivel is a guides is not less than 10											
guides is not less than it	Jmm, in a	all Ot	ner c	ases s	wive	el OF	L 20	15 (SIIOW	eu.	
		Spec	eds a	nd F	eeds	i					
Number of ram double st		•					12.5	; 17.9	; 25	i; 36	5.5; 52.5: 73
Table horizontal feeds, m	•			_							
Minimum (per 1 to	ooth of rate	het)			• • •		• • •				0.33
Maximum (per 10	teeth of ra	tchet	t)	• • •							3.33
V			•								
				ive							
220/380 volt, 3 phase, 5	io cycle A.	C.	moto	r:							
Power, kw	•••		•••			• • •		• • •	• • •		3.5
Speed, r. p. m			• • •		• • •	• • •	• • •		• • •	• • •	960
		S	ice C)ca::-	أدمل						
Floor space, mm		Spe	ice C	vecuț	iea						2500×1450
Height of machine, mm		• • •	• • •	•••	• • •	• • •	• • •	• • •	• • •	• • •	1750
. loight of machine, mill	•••	• • •	• • •	• • •	• • •	•••	• • •	• • •	•••	* * *	1750
·			We	ight							
Net weight, kg	• • • • • • • • • • • • • • • • • • • •			• • •	• • •			• • •	• • •	• • •	approx. 1850

龍門鲍床 DOUBLE HOUSING PLANER



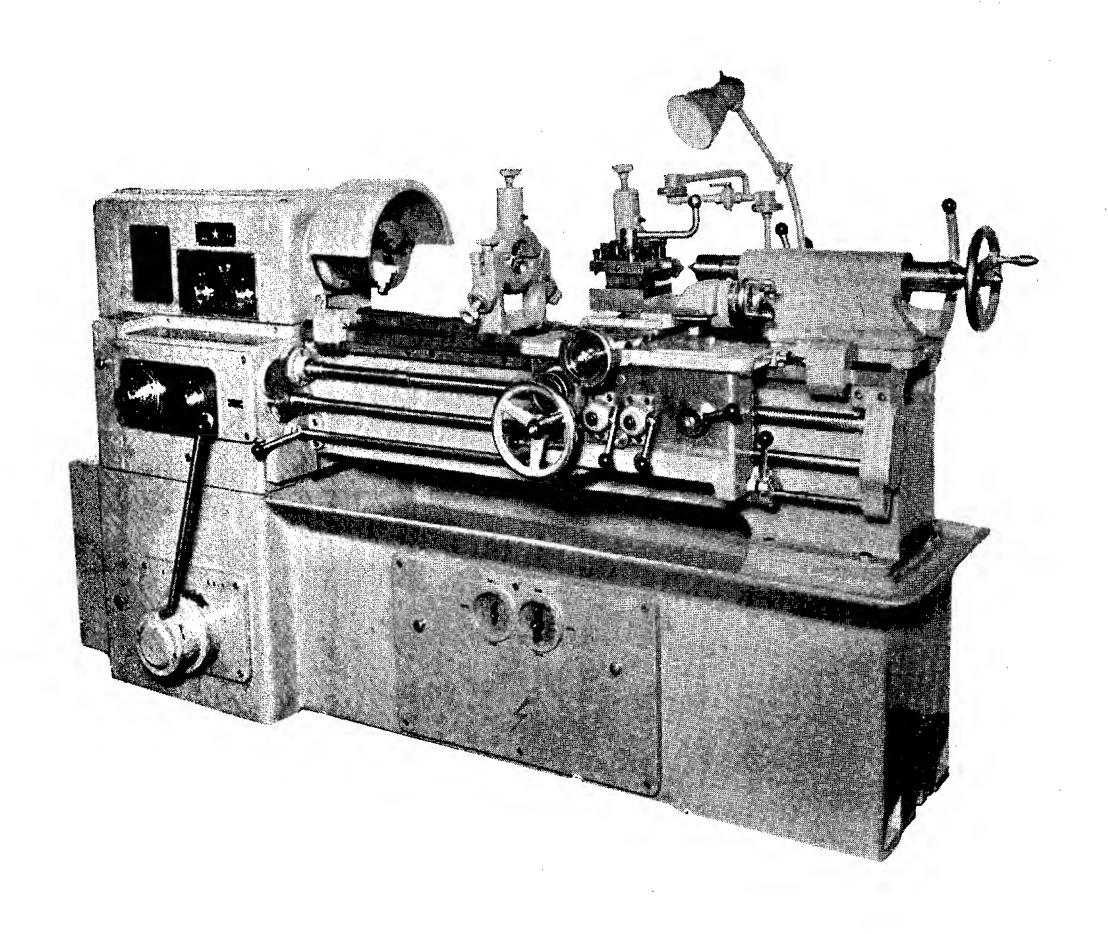
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Hong Kong Agency: CHINA RESOURCES CO.

				Cap	acity	,						
Distance from table to ve	rtical	tool	hea	d, mr	m:							
Minimum							• • •	,	• • •	• • •	• • •	0
Maximum	• • •		 1		- • •	• • •	• • •	•••	• • •	•••	•••	890
Distance between axes of	verti	cal t	:001	heads	s, mn	า:						
Minimum Maximum	• • •	••• .	• • •	*. * *	P #+ #	# W*#	• • •		•••	• • •		290
Maximum extension of sid	e and	ver	tical	tool	head	ls.	mm	•••	• • •	• • •		1470 265
Maximum width planned,	mm						• • •		• • • •	•••	•••	1000
Maximum height planned,	mm									•••	• • • •	850
i laximum length planned, i	mm	,					• . •			• • •		3000
Maximum weight of work	piece	adm	nittec	l, kg	• • •	• • •	• • •		• • •	• • •	• • •	5000
				T,	ble							
Working surface of table,	mm				-							2000000
Number of T-slots	111111		•••	• • •				• • •		• • •	• • •	3000 x 900
Width of T-slots, mm	• • •	• • • •	•••	• • •	•••	•••	• • •		• • •	•••	• • •	5 28
Distance between slots, m	m	• • •	•••	• • •	• • • •				• • • •			150
5				eds a								
Range of table cutting spe	eds,	m/m	in.	• • •		•••	• • •	• • •	• • •	• • •	• • •	575
Range of table return spe	eds,	m/m	in.	•••		• • •		• • •		• • •	• • •	15—75
Range of feeds of vertical Vertical	toci	nea	as po	er do	uble	stro	ke, r	nm:				0.105 6.0
Horizontal	•••	•••	•••	• • •	• • •	• • •	• • •	•••	• • •	• • •	• • •	
Range of vertical feeds of	side	tcol	hea	ds pe	er do	uble	strol	ke. m	ım			0.525 0.2511.5
Speed of rapid power trave	erse,	m/m	in:	-	.,	45.0	00,0.	,		• • •	•••	0.25-11.5
Vertical heads:												
horizontal/vertical	• • •	• • •	•••	• • •	• • •		• • •	• • •	• • •		• • •	2.33/0.585
Side heads: Vertical	•••	• • •	• • •		• • •	• • •	• • •	• • •		• • •	•••	1.07
Power travel of cross rail,	m/mı	N		• • •	- • •	•••	•••	• • •	•••	• • •	• • •	0.5
				Dr	ive							
Nubmer of electrical units												13
Motor-generator unit:	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	•••	13
Power of asynchron	ous n	notor	, kw	,	• • •				• • •			40
Speed, r. p. m		•••	••••		• • •		• • •	•••	• • •	•••	•••	1460
Head feed motors: (3 pcs	;)											
Power, kw	• • •		• • •		• • •	•••	• • •	• • •	• • •	• • •	•••	1.7
Speed, r. p. m	• • •	• • •	• • •	• • •	• • •		• • •	• • •	• • •	•••	• • •	1430
Cross rail elevating motor: Power, kw												. ~
Speed, r p. m		• • •	• • •	•••	• • •	• • •		• • •	• • •	•••	• • •	1 7 1430
Cross rail clamping motor:		• • •	•••	• • •	•••	* * *	• • •	• • •	•••	• • •	• • •	1430
Power, kw					•••		• • •					0.6
Speed, r. p. m	•••	• • •	• • •	•••	• • •							1410
				_								
			_	ce C	-							
Floor space, mm	• • •	•••		•••	• • •	• • •	• • •	• • •	• • •	•••		_
Height of machine, mm	• • •	•••	• • •	•••	• • •	• • •	• • •	• • •	• • •	• • •	• • •	2680
				Wai	ight.							
Net weight, kg					J'''				•		2	pprox. 2 0500
J / J	· - -		•		- • •		• • •	• • •	• • •	• • •		PP107. #0000

普通車床 ALL GEARED LATHE



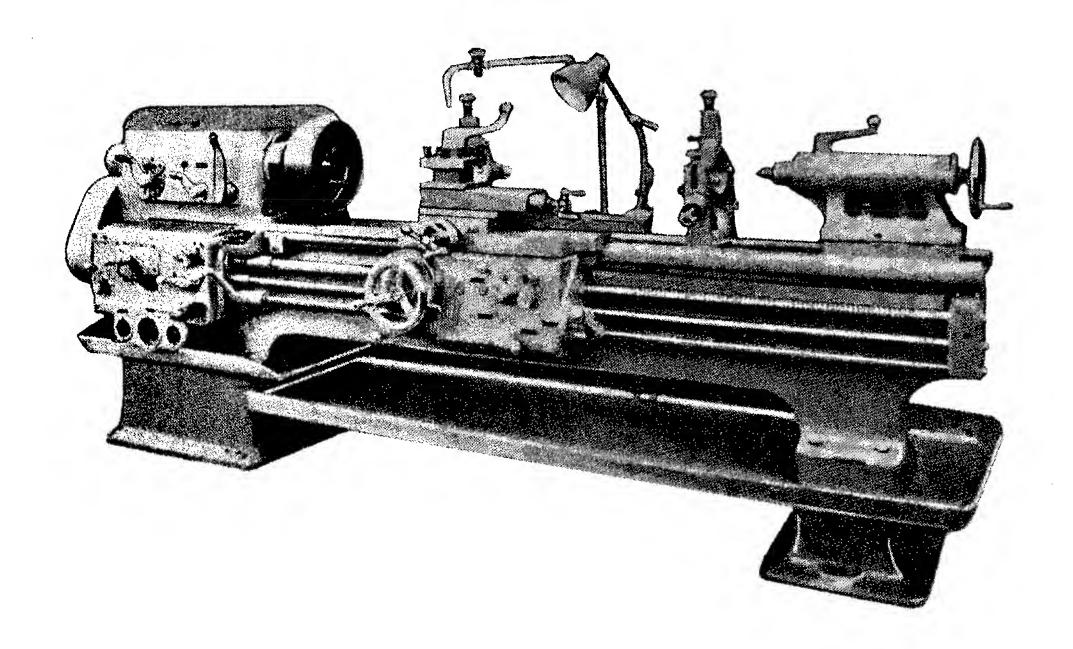
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Hong Kong Agency: CHINA RESOURCES CO.

			•						
:			Capacit	y					
Height of centers, mm	• • • • • • • • • • • • • • • • • • • •				•••				160
Maximum distance between	centers,	mm	***	• • •	•••			• • •	750
Bar capacity, mm	***	•••	•••	. ••• •	•••	• . • • •	• • •	• • •	29
Swing over cross slide, mm	1	• • •	• • • • • •				• • •		175
Swing over bed ways, mm Threads that can be cut:	* * * * * * *	• • •	• • • • • • • • • • • • • • • • • • • •	• • •	•••	• • • • •	• • •	• • •	320
Metric, pitch in mm									
English, threads per	inch		• • • • • •	•••	• • • • • • • • • • • • • • • • • • • •	• • • •	• • •	• • •	0.5—9
Module		• • •	•••	• • •	• • • • • •	• • • • • •	• • •	• • •	38—2
	•••	•••	•••	•••	•••	• •••	• • •	* * *	0.5—9
			Carriage	€					
Maximum travel (power or longitudinal	manual f	eed),	mm:						0.50
cross	•••	• • •	•••	* * *	•••	• • • • • • • • • • • • • • • • • • • •	• • •	• • •	850
Distance from tool bottom	to cente	r line.	mm		• • • • • • • • • • • • • • • • • • • •	• •••	•••	• • •	210
Maximum distance from cer	nter line	to the	e face o	f tool	holder	· ····	• • •	• • •	185
Maximum size of tool, mm	•••	•••					• • •		20 × 20
								•••	
_			Spindle						
Diameter of hole in spindle	e, mm	• • •		• • •	•••	• • • •			30
Taper hole in spindle			• • • • • • •	• • •					Morse No. 5
			T. 11.4	1					
T 1 1 · · · · · · · · · · · · · · · · ·			Tailstoc						
Taper hole in spindle	***	• • •	•••	• • •	•••			• • •	Morse No. 4
Maximum travel of spindle,	mm	• • •	•••	• • •	• • • • • • • • • • • • • • • • • • • •		• • •		
Setover on side, mm	***	• • •	* * * * * * *	• • •	• • • • • • • • • • • • • • • • • • • •		• • •	• • •	土Ю
		Speed	ds and	Feeds	•				
Number of spindle speeds	(forward								12
Range of spindle speeds, r.	D. M.	uno n	overse/	• • •	• • • • • • • • • • • • • • • • • • • •		•••	•••	44—1980
No. of feeds of slide, long	itudinal a	and cr	oss	•••		• • • • • •		• • • •	140
Range of feeds of slide mi	m per rev	volutio	n of spi	ndle:					
longitudinal	•••	• • •		• • •				• • •	0.06—3.34
cross			•••		• • • • • • • • • • • • • • • • • • • •				0.0442.47
			ъ.						
000/000 1 0 1 50	1 A	~	Drive						
220/380 volt, 3 phase, 50 Main drive:			·						
power, kw	• • • • • • • • • • • • • • • • • • • •	• • •	• • • • • •	•••	•••	• •••	• • •	• • •	4.5
speed, r. p. m	• • • • • • • • • • • • • • • • • • • •	• • •	• • • • • • • • • • • • • • • • • • • •	• • •	•••	• •••	• • •	• • •	1440
Coolant pump:									- 10-
power, kw speed, r. p. m							• • •	• • •	
Lubricating pump:							•••	•••	2850
power, kw speed, r. p. m	•••	• • •	•••	•••	•••	• • • •	• • •	• • •	0.125
speed, i. p. iii	•••	• • •	•••	• • •	• • • • • • • • • • • • • • • • • • • •	• • •	•••	* * *	2850
		Space	e Occu	pied					
Floor space, mm	••••			-				•	2355 × 852
Height of machine, mm	•••	• • •	•••	• • •			• • •		1255
						-	*	- -	
			Weight						
Net weight, kg	•••		• • • • • •	•••	•••	• • • •		• • •	approx. 1950

普通車床 ALL GEARED LATHE



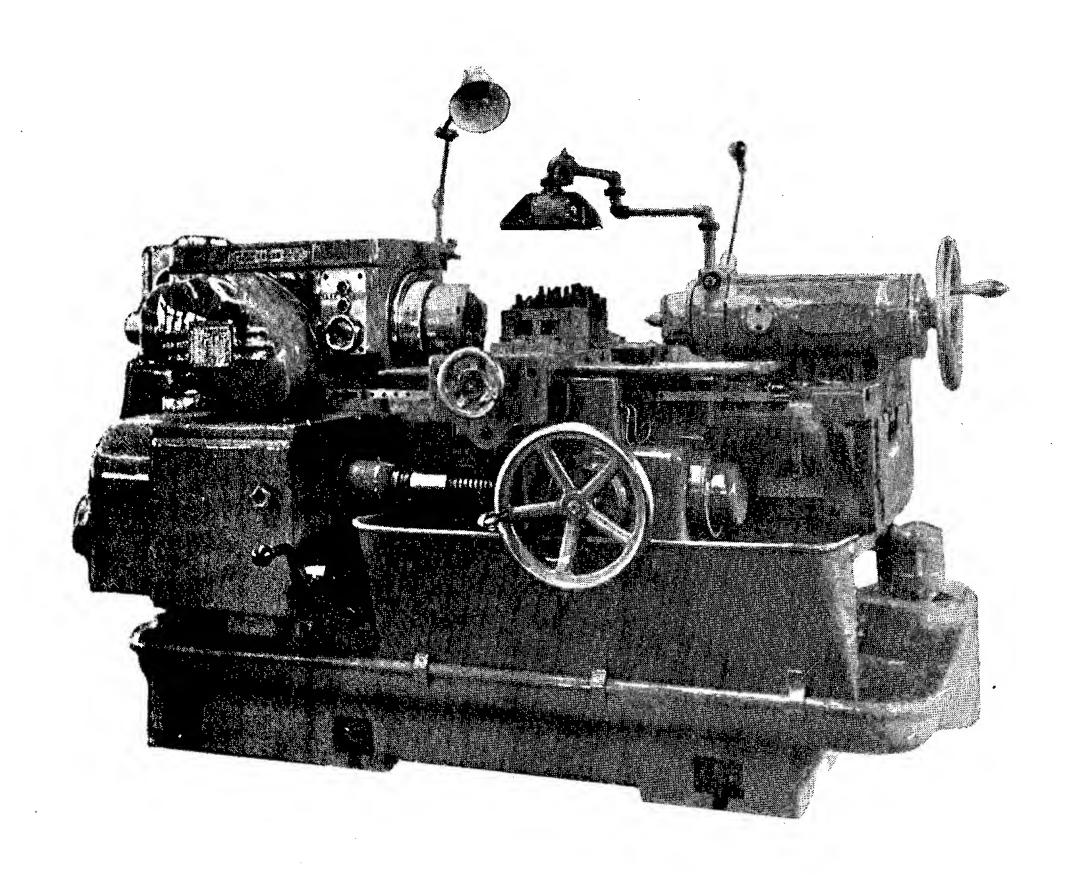
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Hong Kong Agency: CHINA RESOURCES CO.

	2												
	t of center		• • •	• • •	• • •	• • •	• • •	•••	• • •	• • •	•••	200	mm
Distar	nce between centers	• • •	• • •	• • •	• • •	•••	•••	• • •	• • •	• • •	• • •	1000	mm
Maxim	num turning diameter												
	round rod	• • •		• • •	•••	•••	• • •	•••	• • •	• • •		37	mm
	swing over carriage		• • •	• • •	•••	• • •	• • •	•••	•••	•••	• • •	210 1	mm
	swing over bed	• • •	• • •	•••	• • •	•••		• • •		•••	•••	410	mm
Maxim	num turning length	• • •	• • •	•••	• • •	•••	• • •	•••	• • •		•••	900 i	mm
Thread	d cutting:												
	matric threads, pitc	h	• • •	•••		•••	• • •	• • •	• • •	• • •	•••	1—!92 (mm
	whitworth threads.												2
	module threads, M								• • •	• • •		0.25—	-48
	UP threads, DP							•••	• • •	•••	• • •	96	1
Maxim	ium traverse of carri												
	longitudinal	•••	•••		•••	•••	•••		•••	•••	•••	900 i	mm
	cross	• • •			• • •	•••	• • •	•••	• • •	• • •	• • •	280 (mm
Height	t between tool supp	orting	surf	ace 1	to ce	nter	line	•••	•••	•••	• • •	23 1	mm
Maxim	ium traverse of tool	post	• • •	• • •		•••	• • •	• • •	• • •	• • •	• • •	100 1	mm
Maxim	um swivel of tool p	ost	• • •	• • •	•••	•••	• • •	• • •		•••	• • •	4	_{‡5} 0
Diame	ter of spindle bore	• • •	• • •	• • •	• • •	• • •		•••			• • •	38	nm
Taper	of spindle bore		•••	• • •	• • •	• • •	• • •	•••		• • •	• • •	Morse No	. 5
Taper	of center sleeve	• • •		• • •	• • •	• • •	• • •	•••	•••	•••		Morse No.	. 4
Maxim	um traverse of cente	er slee	eve	• • •	• • •	• • •	•••	•••	• • •		•••	150 1	mm
Maxim	um cross traverse of	tailst	:ock	•••	•••	•••	• • •	• • •	• • •	•••		• • •	15
No. o	f spindle speeds (no	rmal/re	evers	e)	• • •	, • • •	•••	• • •	• • •		•••	18	3/9
_	of spindle speeds:												, ,
	Normal	• • •	• • •	•••	• • •	• • •	•••	•••	• • •		• • •	12—600 rg	om.
	reverse	• • •	• • •	•••		•••	•••		• • •			,	
No. of	f longitudinal and cr	oss fe	eds	of ca	arriag	e	• • •	• • •	• • •		• • •	•••	35
Range	of feed of carriage	per r	evolu	ution	of s	pindl	e:						
	longitudinal	• • •	• • •	• • •	• • •	•••	• • •	• • •			• • •	0.082-1.59r	nm
	cross	• • •	• • •	• • •	•••	• • •	• • •				• • •	0.27-0.522r	nm
Electri	c motor (3 phase A	.C.) p	owe	r/spe	ed		•••	•••	•••	•••	• • •	4.5/1500 kw/rp	om.
Overa	II dimensions (L x V	/ _{,×}	l)	• • •	•••	•••	•••	•••		•••	• • •	2650x1580 x 12	20
	veight approx			• • •	• • •	•••	•••	• • •	• • •	•••		2240	kg.
Electri	c drive equipments i	nclude	es:										
l ma	ain drive motor of 1	1.5 kw	/ and	150	O rp	m., /	4C 3	ø, 5	50 cy	/cle,	220	/380 v.	

11.

半自動多刀車床 MULTI-TOOL SEMIAUTOMATIC LATHE



中國機械進口公司經售 Exported by CHINA NATIONAL MACHINERY IMPORT CORPORATION

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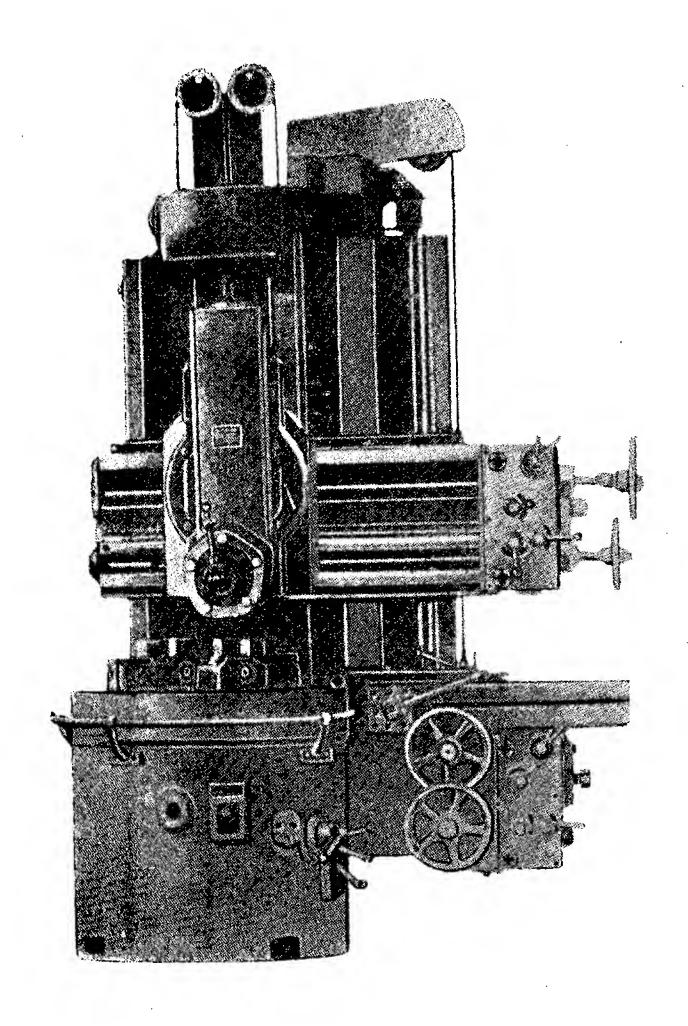
15

BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

Center height
Distance between centers (min./max.)
Maximum distance from spindle nose to center of tailstock 580 mm
Maximum turning diameter:
for bar
swing over bed
swing over carriage
Maximum turning length (two cutters)
Maximum longitudinal traverse of carriage:
machanically (turning) 250 mm
manually (adjusting)
Maximum cress traverse of rear tool post:
mechanically (turing)/manually (adjusting) 235/225 mm
Maximum traverse of center socket
Spindle speeds: 40, 52, 65, 84, 107, 129, 155, 187, 240, 310, 388, 500. rpm.
Longitudinal feed of carriage per I revolution of spindle:
O.12, O.17, O.23, O.34, O.49, O.71, O.97, O.38. mm.
No. of cross feeds per each longitudinal feed
Range of cross feeds of rear tool post per I revolution of spindle:0.16-2.37 mm.
3 phase A. C. Motors:
for main driving: power/speed
for rapid adjustment at carriage: power/speed 1/1425 kw/rpm.
for coolant pump: power/speed 0.15/2800 kw/rpm.
Overall dimensions (L x W x H) 2200 × 1700 × 1240 mm.
Net weight

單柱立式車床 VERTICAL BORING MILL



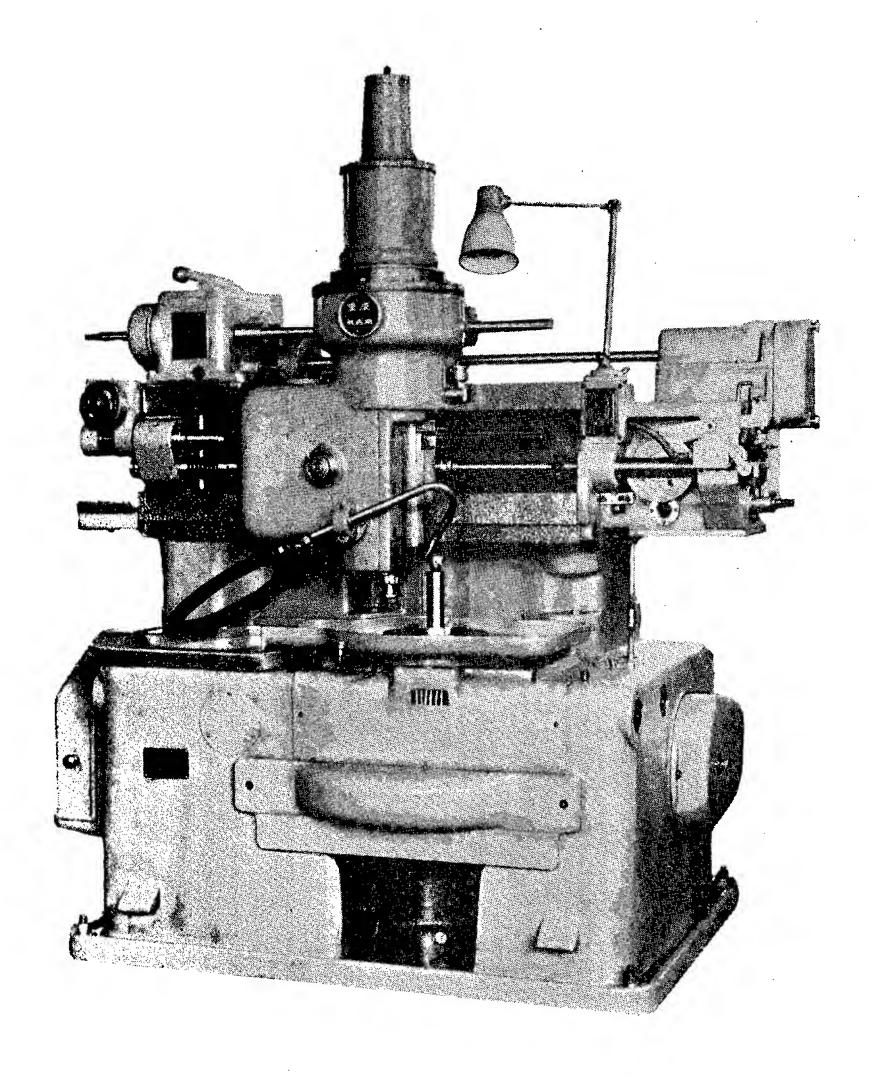
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Hong Kong Agency: CHINA RESOURCES CO.

Diameter of table	• • •									1030	mm.
Distance between center of table a	and s	urfac	ce of	colu	ımn					_	mm.
Maximum turning diameter:									•••		***************************************
with vertical head		• • •	• • •	• • •		• • •	• • •	•••		1250	mm.
with side tool head	• • •		•••	,			• • •		• • •	1120	
Boring diameter (by rotary tool post						ninim	um/n	naxim	num	120/1250	mm.
Maximum height of workpiece							• • 0			1000	mm.
Maximum weight of workpiece		•••	• • •	• • •			•••	• • •	• • •	2000	mm.
Turning length by side tool head:											
on working table										720	
outside working table							•••	•••	•••	730	mm.
oddolod Working table	• • •	•••	•••	• • •	•••	• • •	• • •	•••	•••	960	mm.
Diameter of workpiece to be clam	ped,										
minimum/maximum	• • •		•••							70/900	mm.
Maximum traverse of vertical tool I	head	(med	chanic	cally	or n	nanua	lly),				
horizontal/vertical	•••						•••	•••	,	750/700	mm.
Maximum swivel of vertical tool h	ead	• • •	•••		•••	1 • •	•••	•••			450
Maximum traverse of side tool hea											
horizontal/vertical									•••	600/960	mm.
Spindle bore of table											mm.
No. of table speeds									•••		12
Range of table speeds										7.5 - 150	rpm.
No. of feeds of vertical tool head											8
Feed per revolution of table			• • •		• • •				•••	0.23 - 8.4	mm.
Rapid traverse of vertical tool head										2 m/	,
Rapid elevating speed of rail										O.5 m/	min.
3 ø A. C. motor:											
for main drive: output/speed	4						•		2	2/14/60 1000	/
for rapid adjustment output											•
											•
Net weight approx	• • •							اردے	<i>-</i>	2185 x 3815	
iver weight approx	• • •	• • •	• • •	• • •	• • •	•••		• • •	• • •	10000	kg.

插 齒 機 GEAR SHAPER



中國機械進口公司經售 Exported by CHINA NATIONAL MACHINERY IMPORT CORPORATION

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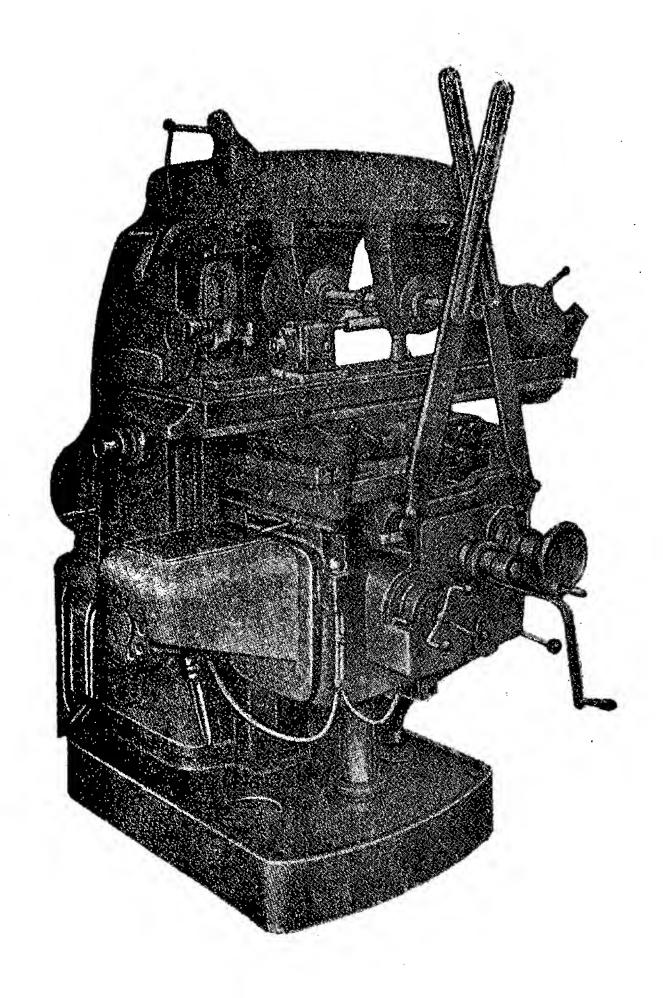
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BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO,"

			Capa	•							
Distance between work spir of crank pin, mm:	ndle face	and	cutte	r shou	ulder	at	maxi	mum	ecc	entric	ity
maximum	•••	•••	• • •	•••	•••	• • •			• • •	• • •	160
minimum	•••	•••	•••	•••	• • •	• • •	• • •	• • •	•••	•••	35
Module that can be cut, m	m	•••	• • •	• • •	• • •	,	•••	•••	•••	• • •	2—6
External diameter of spur a	nd helical	gea	ırs, m	m:							·
maximum	•••	•••	• • •	•••	• • •	•••		•••	•••	•••	462
minimum	•••		• • •	• • •	•••	• • •	•••	• • •	•••	•••	20
Maximum external diameter				ing in	nterna	al te	eeth,	mm	•••	•••	550
Maximum face width that o				•••	•••	•••	•••	•••	•••	144	105
Maximum helix angle for he	elical gear	rs	• • •	• • •	•••	•••	• • •	• • •	• • •	•••	230
			tter		le						
Maximum length of cutter s	-				• • •	• • •	•••	• • •	•••	• • •	125
Maximum longitudinal cutter	saddle t	raver	se, m	m	•••	• • •	• • •	• • •	•••	• • •	510
	W	ork	Spino	dle A	pron						
Maximum relieving movemen											0.5
Diameter of work spindle fl											240
Maximum distance between											350
	•	5	1	J C.	∜۔د۔۔		Tiggs of	٠.		. ,	
	•	Spee	ds an	ia re	eqs						
Number of cutter strokes pe	er minute	•••	• • •	• • •		•••	• • • ′	•••	1	25; 17	
Number of cutter strokes per Rotary feeds, mm per stroke	er minute	•••	• • •	• • •		•••	• • • ′	•••	1	25; 17	
_	er minute	•••	• • •	•••		•••	• • • ′	•••	1	25; 17	
_	er minute e of cutte	 er	 Dri	 		•••	• • • ′	•••	1	25; 17	
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive:	er minute e of cutte cycle A.	 er C. 1	 Dri motor	 v e s:	([.] D.17	; ; O.2	 1; O.2	1 24 ; (25; 17 0.30;	
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw	er minute e of cutte cycle A.	 C. 1	Driv	 v e s:		 D.17	; O.2	 1; 0.2	1	25; 17 0.30;	
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive:	er minute e of cutte cycle A.	 C. 1	Driv	 v e s:		 D.17	; O.2	 1; 0.2	1	25; 17 0.30;	0.35; 0.44
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw	er minute e of cutte cycle A.	 C. 1	Driv	••• ve s:		 D.17	; O.2	 1; 0.2	1	25; 17 0.30;	2.8
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin- power, kw	er minute e of cutte cycle A dle:	C. 1	Drive motor	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin-	er minute e of cutte cycle A dle:	C. 1	Drive motor	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin- power, kw	er minute e of cutte cycle A dle:	C. 1	Drive motor	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin- power, kw speed, r. p. m	er minute e of cutte cycle A dle:	C. 1	Drive	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin- power, kw speed, r. p. m Coolant pump:	er minute e of cutte cycle A dle:	C. 1	Drive	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437 0.6 1440
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin power, kw speed, r. p. m Coolant pump: power, kw	er minute e of cutte cycle A dle:	C. 1	Drive	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437 0.6 1440
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin power, kw speed, r. p. m Coolant pump: power, kw	er minute e of cutte cycle A dle:	C. f	Drive	ve s:			; O.2	 i; 0.2		25; 17 0.30;	2.8 1437 0.6 1440
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin power, kw speed, r. p. m Coolant pump: power, kw speed, r. p. m	er minute e of cutte cycle A dle:	C. r	Drive	ve s: 		 D.17	; O.2	 i; 0.2		25; 17 0.30;	2.8 1437 0.6 1440 0.25 2820
Rotary feeds, mm per stroke 220/380 volt, 3 phase, 50 Main drive: power, kw speed, r. p. m Rapid rotation of work spin power, kw speed, r. p. m Coolant pump: power, kw speed, r. p. m Floor space, mm	er minute e of cutte cycle A dle:	C. r	Drive motor	ve s:	c	 D.17	; O.2	 i; 0.2		25; 17 0.30;	2.8 1437 0.6 1440 0.25 2820

萬 能 銑 床 UNIVERSAL MILLING MACHINE



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Hong Kong Agency: CHINA RESOURCES CO.

					Capa	acity							
Working surface of tal	ole,	mm	• • •	• • •		,	• • •	• • •	• • •	• • •	• • •	• • •	1000 x 250
Distance, center line o	f spi	indle	to t	ор о	f tab	le, m	ım:						
Minimum		• • •		•••					• • •	• • •		• • •	30
Maximum	• • •			• • •		• • •		• • •			• • •	• • •	350
Distance, face of colu	mn t	o ce	nter	line d	of tal	ble, i	mm:						
Minimum	• • •					• • •			• • •		• • •	•••	170
Maximum	• • •		• • •			• • •	• • •	•••		• • •		•••	370
Distance, center line o	f spi	ndle	to o	verar	m, m	m	•••	• • •	•••	•••		• • •	150
Maximum table travers	e, m	m:											
Longitudinal		,			•••	• • •			• • •		•••		650
Crcss								• • •				• • •	200
Vertical		•••		• • •	• • •	• • •			•••	•••			350
Maximum table swivel		•••		• • •	• • •	• • •	• • •	•••	•••	• • •			士 45°
				Spee	eds a	nd F	eeds						
Number of spindle spe	eds	• • •		•					• • •				16
Range of spindle speed									• • •	• • •			651800
Number of table feeds								• • •	• • •			•••	16
Range of table feeds,	mm/	min.	:										
Longitudinal			•••	• • •			• • •	•••	• • •	• • •			35—980
Cross				• • •			• • •				• • •		25765
Vertical				•••	• • •	• • •	• • •	•••		• • •	• • •		12380
					Dri	v A							
220/380 volt, 3 phase	· 50	CVC	le A	\subset									
Main drive:	, 50	- Cy C		O .	117000								
Power, kw													4.5
Speed, r. p. m.									•••	• • •	•••	•••	1450
Feed drive:	• • •	•••	•••	***	•••	•••	•••	•••	•••	•••	• • •	• • • <u>• • </u> .	(-,00
													1.7
Power, kw Speed, r. p. m.									• • •	• • •		•••	1430
Coolant pump:	• • •	• • •	* • •	• • •	• • •	• • •	•••	• • •	4 • •	•••	- • •	•••	1-150
													0.1
Power, kw Speed, r. p, m.	• • •	• • •	• • •	•••	• • •	• • •	•••	•••	• • •	• • •	•••	•••	2800
Speed, I. p. III.	• • •	•••	• • • •	• • •	• • •	• • •	• • •	• • •	•••	•••	•••	• • •	2000
				Spa	ce C	ccup	oied						
Floor space, mm		• • •			• • •	• • •	• • •	• • •	• • •			• • •	1800 x 1470
Height of machine, mn	n	•••	• • •	•••	•••	• • •	•••	• • •	• • •	- • •	• • •	• • •	1590
					Wei	ight							
Net weight, kg	• • •	•••	•••	• • • .	•••	•••		•••	•••	•••	•••	•••	approx. 2100

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

CODE: RM - 2001

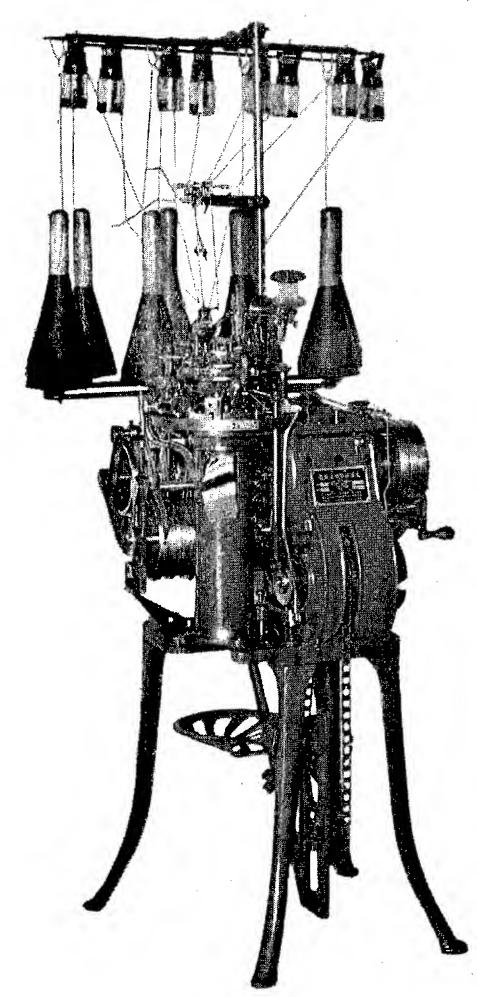
B-3型 橡口織機機

AUTOMATIC HOSIERY MACHINE,

FOR COLOUR STRIPED SOCKS WITH

ELASTIC TOP

MODEL B-3



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

Model B-3 differs from Model B-1 in such a way that it is provided with attachments for making colour striped hose with elastic top.

The colour stripe pattern is accomplished by means of a colour pattern drum and yarn changing fingers, it enables the knitting of a large variety of horizontal striped pattern. The colour pattern drum is mounted above the main pattern drum, latter being common to all Model B machines. For cutting the pattern yarns, an automatic cutter is fitted to the colour pattern drum.

The machine is arranged with six yarn changing fingers for patterns in horizontal stripes of five different colours.

An elastic lay-in attachment is provided for insertion of rubber yarns in elastic tops. These elastic tops insure comfort in wear and will fit snugly to the leg.

Model B-3 embodies our latest improvements and designs and is worthy of recommendation. Besides, it produces colour striped hose which is well in demand in various countries of the world.

Specifications:

Number of Needles:

Available in cylinder diameters and number of needles as follows:-

 $3\frac{1}{4}$ " with 160, 176 and 188 needles.

 $3\frac{1}{2}$ " with 160, 176, 188 and 200 needles.

Power Required: 1/4 H. P.

Cylinder Speed: 200-220 rpm.

200 220 (piii.

Drive Pulley: 7" dia. 3/4" width. Speed: 138-150 rpm.

Floor Space: Installation floor space $1'-6'' \times 2'-6''$

Working space 2'-6"×5'-0"

Production: Based on 8 working hours about 70 pairs of cotton socks.

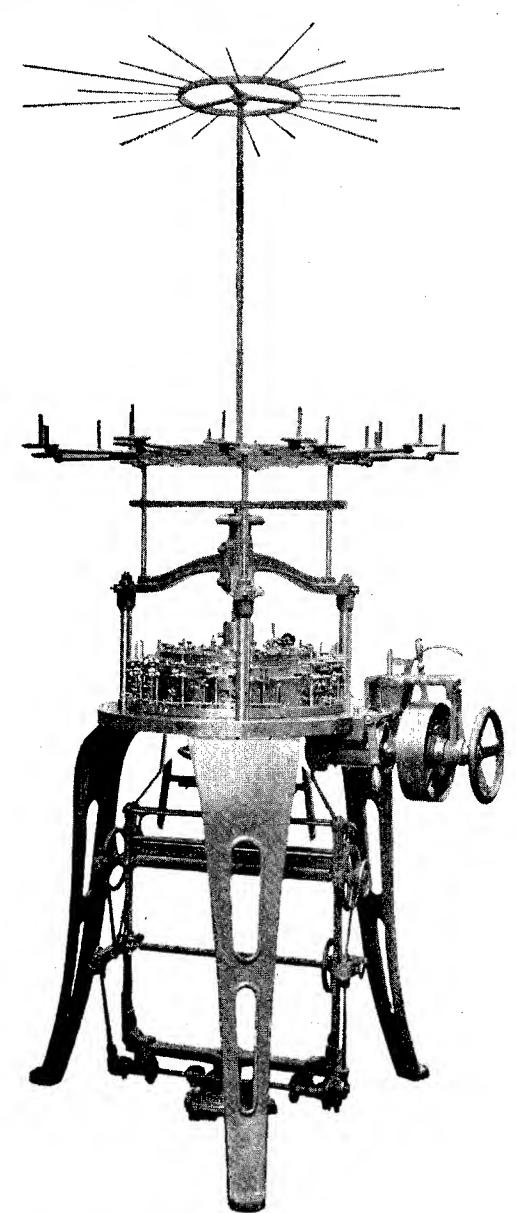
Packing: In wooden case.

Shipping Specification:

Net weight 385 lbs. Gross weight 500 lbs. Measurement: 27" × 30" × 34".

CODE: RT-2002

棉毛織機(又名雙面機) INTERLOCK KNITTING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG

CABLE ADDRESS: "CIRECO."

This machine is a multiple-feed, circular, latch-needle interlock stitch knitting machine of non-sinker type, designed for producing interlock fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce towel fabrics.

The planned body size comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:-

SIMPLIFIED MAINTENANCE-ECONOMY IN SPACE

Construction:- The machine features tripod construction; positive clutch; brass cut

cylinder and dial; hardened needle cams for cylinder and dial; stationary

bobbin stand; revolving take-up and cloth roll-up; fabric stop motion.

Number of Feeds:- The machine is built in different cylinder diameters with corresponding

number of feeds as follows:-

14" - 14 feeds; 15" - 16 feeds; 16" - 16 feeds; 17" - 18 feeds; 18" - 18 feeds; 19" - 20 feeds;

20" - 20 feeds; 21" - 22 feeds.

Gauge:- The cylinder and dial can be supplied in different gauges (number of

needles per inch) to suit the counts of cotton yarn handled. For example, when using 20/1 cotton yarn, we recommend 17 needles per inch for

fine quality fabrics and 13-14 needles per inch for second quality.

Speed:- For 18" diameter machine, the cylinder speed is 18 revolutions per

minute.

Power required: 3/4 HP in case of individual drive.

3 HP for 6 machines in case of group drive.

Output:- The cutput increases or decreases depending on the skill of the operator,

gauge and diameter, count of yarn, etc. Average 280-440 ounces in

8 hours.

Wilth of Fabric: The width of fabric depends on the diameter of the machine, kind of

material, count of yarn, etc. When using cotton of medium counts,

we recommend diameter of machine as follows:-

For_Underwear:-

Diameter of machine 17" 18" 19" 20" 21"

Open width cf fabric 32" 34" 36" 38" 40"

For slitting trousers:-

Diameter of machine 19" 20" 21" 22"

Size of trousers 32" 34" 36" 38"

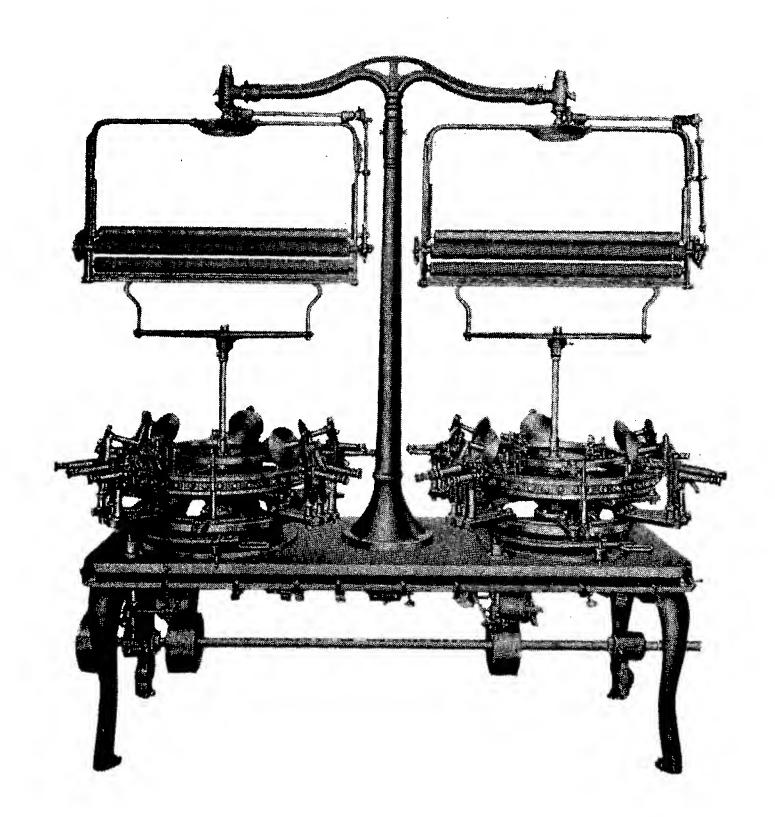
Data for 18" Diameter machine:-

Installation floor space 3' 8" X 4' 4" Working space required 5' 6" X 6' 6"

Net weight-880 lbs.

CODE: RT - 2003

複式汗絨針織機(湯姆金機) SPRING NEEDLE KNITTING MACHINE



中國運輸機械進口公司經售 Exported by. CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is a multi-feed, circular spring needle knitting machine designed for producing cambric fabrics, common tissue or different weight of cotton flannel, and also plain colour immitation of camel hair fabrics. Equipped with additional pattern attachment, the machine can produce many different kinds of fancy knitted cloth. The machine is equipped with automatic take-up and rolling up of fabric as knit. Take up is suspended on ball bearing over the center of the cylinder and is constructed for variable production of fabric. Fabric stop motion is applied to each cylinder.

The machine can be arranged for individual or group drive. A positive clutch is provided on each cylinder facilitating starting of the machine.

Machines are built in two table sizes, A and B respectively, with two cylinders installed on the same table. Cylinders are available in two ranges, viz., for table size, A-16'' to 20''; B-24'' to 30''. According to the cylinder diameters, 3 to 5 feeds are applied to each cylinder.

The gauge of the machine should be adapted to the kind of products.

We recommend cylinder gauges as follows:

PRODUCT	Cylinder Diameter Recommended	Cylinder Gauge	No. of Feeds Each Cylinder	Cotton Yarn Used
Tissue cloth Cotton flannel	16" - 20" 24" - 30"	32, 34, 36, 40 20, 22, 24, 28	4 or 5 3	6 ^s xI - 40 ^s xI 32 ^s xI - 100 ^s /2xI

Outstanding adavantage of the manhine is its capability of producing a large variety of fabrics with finest quality as is not possible with ordinary knitting machines.

The output depends on the skill of the operator, gauge and diameter, counts or yarns, etc., and average is:

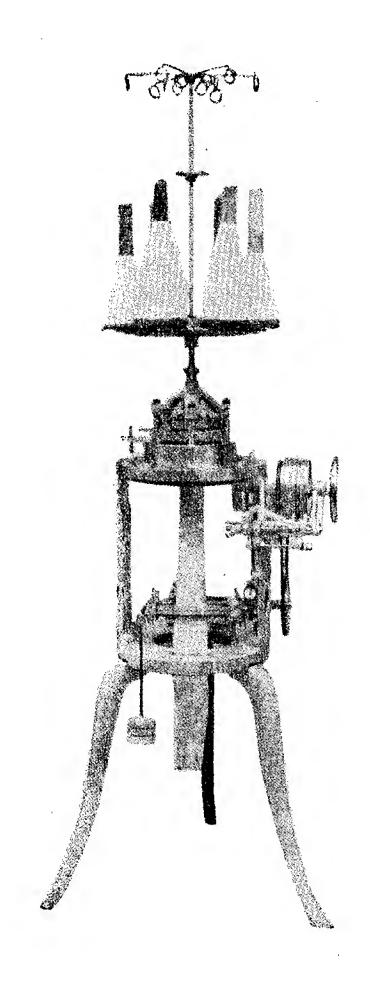
For tissue cloth-500 to 700 ounces in 8 hours; For cotton flannel-2,000 to 2,800 ounces' in 8 hours.

DATA OF SPRING NEEDLE MACHINE

Table Size	Α	B
Cylinder Diameter	16" to 20"	24" to 30"
Working Space Required	4'0" × 8'6"	5'0" × 9'0"
Horse Power Required	ı 1 HP	2 HP
Cylinder Speed	70-80 RPM	60 - 65 RPM
Net Weight	2,240 lbs.	2,700 lbs.

COOE: RT - 2004

電動領口羅紋機 AUTOMATIC RIB NECK KNITTING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is used for knitting rib necks of underwears, stockinetes or sweaters.

Specification:- Available in different cylinder diameters with number of needles as

follows:-

6", 3 Shuttles, 320-540 needles

 $6\frac{1}{2}$ ", 3 Shuttles, 320-540 needles

7", 4 Shuttles, 320-540 needles

Power Required:- 1/2 HP for single machine, I HP for 3 machines in group drive

Cylinder Speed: 75-80 rpm.

Weight:- Nett: 110 kgs. approx.

Gross: 150 kgs. approx.

Floor Space:- Space occupied 26" x 26"

Working space required $4' \times 5'$

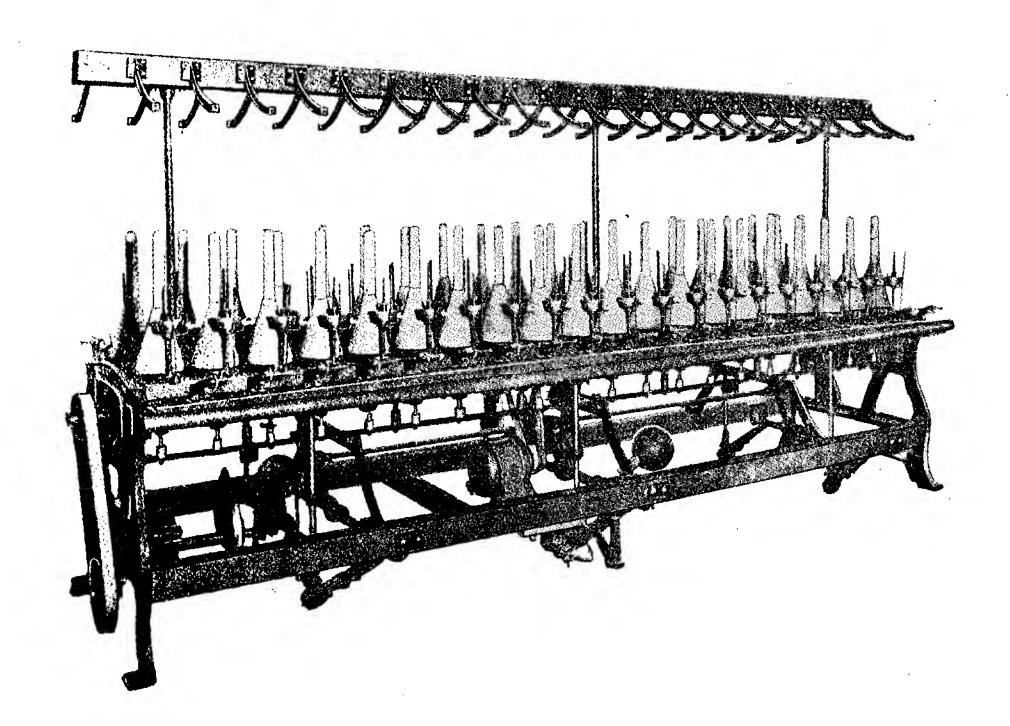
Attendance:- One person can operate 5-6 machines

Production:- Based on 10 working hours, 400-500 shi-liangs ($12\frac{1}{2}-15\frac{5}{8}$ kgs.) for

20s/2 yarn, and 300-500 shi-liangs for 42s/2 yarn.

CODE: RT-2005

紅木錠搖紛機 BOTTLE BOBBIN WINDING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is used for winding yarns in skeins or rewinding yarns in bamboo reels into bottle bobbin.

Specification: 36 spindles, 40 spindles

Power Required:- 1 HP. for 36 spindles machine, $1\frac{1}{2}$ HP. for 40 spindles machine; driven by an electric motor with a speed of 960 r. p. m.

Speed:- Spindles speed:

800 - 1000 rpm

Driven pulley:

12" - 12.3/8" diam.

280-300 rpm

Slow speed for winding from skeins and fast speed for rewinding from reels.

Nett Weight:-

800 kgs. for 36 spindles machine, 850 kgs. for 40 spindles machine.

Floor Space:-

Space occupied:

36 spindles machine 13' x 4'
40 spindles machine 14' x 4'

Working space required:

36 spindles machine 14' x 8'

40 spindles machine $16' \times 8'$

Production:

In package of 3.75 kgs. per 10 working hours a day with 40 spindles, (for skein winding and rewinding)

Single yarn:

50-60 for 6s., 8s.; 32-40 for 10s.

20 - 30 for 20s;

12 - 14 for 32s;

8-10 for 40s.

Twist yarn:

30-40 for 32s; 24-34 for 42s;

14 - 16 for 60s;

10 - 12 for 84s;

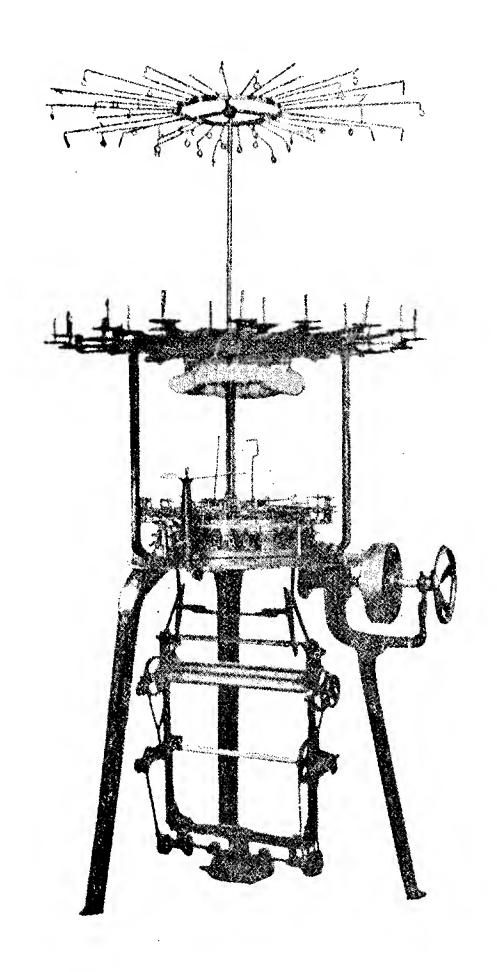
8- 9 for 100s.

Advantages:-

- 1) Direct winding from skein to the bobbin
- 2) Suitable for 2 wide range of yarn 6s.-100s.
- 3) High production and low power consumption
- 4) Non stop bobbin changing.

CODE: RT - 2006

汗 布 機 (又名台木會) BODY SIZE KNITTING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is a multiple feed, circular, latch-needle knitting machine of non-sinker type, designed for production of plain fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce net fabrics.

The planned body size of the underwear comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages or the machine are:-

SIMPLIFIED MAINTENANCE—INCREASED PRODUCTION

Main Features:- The machine features tripod construction; positive clutch; brass cut cylinder; hardened needle cams; stationary bobbin stand; revolving take up and cloth roll up; fabric stop motion.

Number of Feeds:- The machine is available in different cylinder diameters with corresponding number of feeds as follows:-

13"-26 feeds; 14"-28 feeds; 15"-30 feeds; 16"-32 feeds; 17"-34 feeds; 18"-36 feeds;

19" - 38 feeds; 20" - 40 feeds;

Gauge:- The cylinder can be supplied in different gauges (number of needles per inch) to suit the counts of cotton yarn handled. For common plain

fabrics, 19-20 needles per inch is recommended.

Speed:- For 18" diameter machine, the cylinder speed is 22 revolutions per

minute.

Power required: 3/4 HP in case of individual drive.

3 HP for six machines in case of group drive.

Qutput: The output depends upon the skill of the operator, guage and diameter,

count of yarn, etc.

Average:-

When using 32/1 and 40/1 cotton yarns, 320-480 oz. in 8 hrs. When using 16/1 and 20/1 cotton yarns, 480-640 oz. in 8 hrs.

Width of Fadric: The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:-

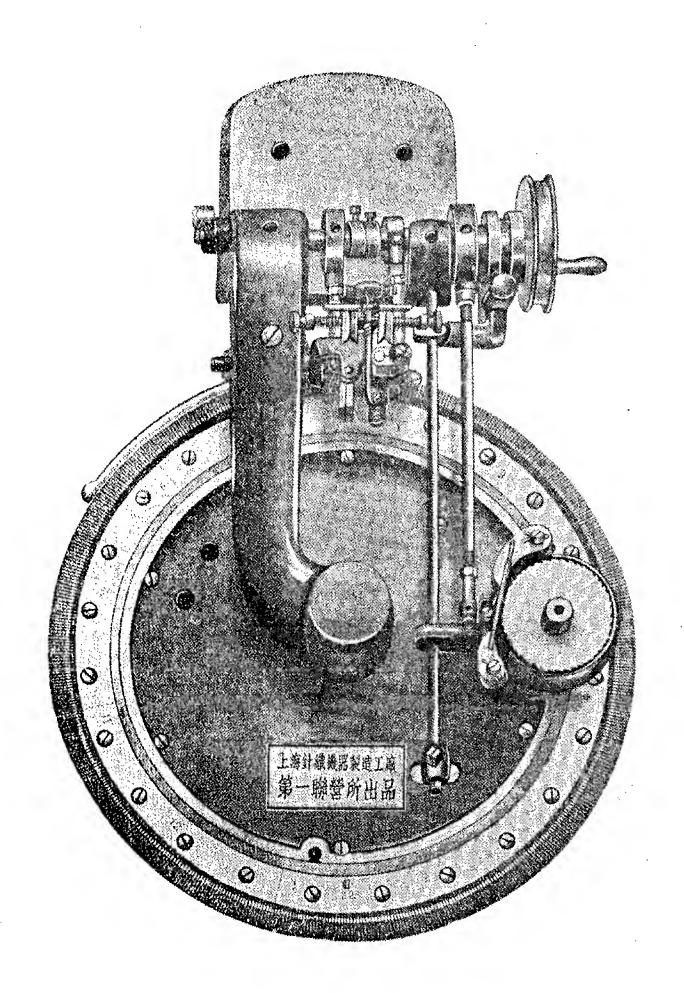
For Underwear:-

Diameter of machine:- 16" 17" 18" 19" 20" Open width of fabric:- 32" 34" 36" 38" 40"

Data for 18" Diameter Machine:-

Installation floor space $3'8'' \times 4'4''$ Working space required $5'6'' \times 6'6''$ Net weight 660 lbs.

縫襪頭機(又名套口機) LOCKSTITCH LOOPER



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司 Hong Kong Agency: CHINA RESOURCES CO.

This machine si used for looping toe-top hosiery or sleeves to knitted underwears.

Specification:-

for toe-looping, looping points: 12, 14, 16, 18, 20, 22, 24, 26, 28, 30.

Power Required:- | HP for 12 machines

Machine Speed:-

driving pulley 250-300 RPM

Nett Weight:-

80 kgs. approx

Floor Space:-

Space occupied - 2'x 3'

Working space required - 3'x 6'

Attendance:-

I to 3 operators for each machine

Production:

for toe-looping, I worker can loop 40 doz. pairs heavy hosiery or 20

doz. pairs light hosiery; for sleeve looping 15 doz. underwears, production

being based on 10 working hours.

Advantages:-

Occupies little space, low power consumption, little labour required,

high production capacity.

Number of needles can be altered to suit fine or coarse knitted fabrics.

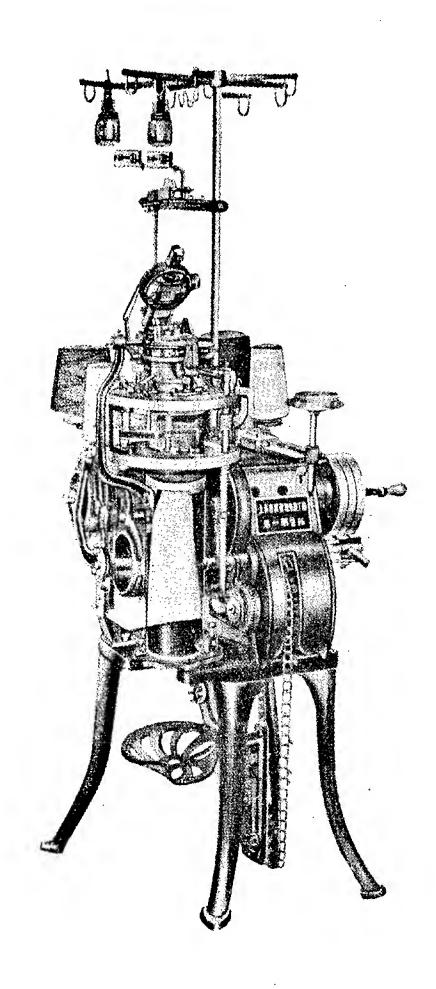
Guaranteed free from yarn breakage or other defects with production

of high quality.

Can be arranged for treadle drive in case electric power is not available.

高筒提花纖機

AUTOMATIC FANCY HOSIERY KNITTING MACHINE WITH HIGH NEEDLE CYLINDER



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is adapted for knitting all kinds of new fancy socks. There are five yarn-fingers for inter-knitting yarns of 5 colours. The latch ring opens automatically subsequent to the completion of sock.

Specification:-

Available in cylinder diameter of 3-1/2" with 160, 176, 188 and 200

needles.

Power Required:- I HP for each machine

Cylinder Speed:-

200-220 RPM

Weight:

Nett 170 kgs. for each machine

Floor Space:-

Space occupied-1'-6"×2'-6"

Working space required $2'-6'' \times 5'-0''$

Attendance:-

One operator can handle 2-3 machines

Production:-

Based on every 10 working hours about 6 doz. pairs of socks

Advantages:-

Low power consumption, high production capacity

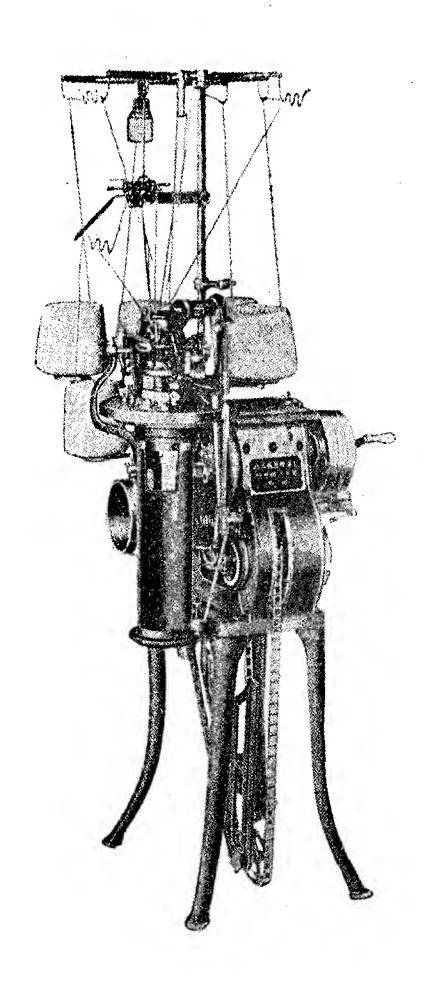
Suitable for knitting socks of mercerized cotton yarn or artificial silk.

Welt can be knitted with any desired elasticity sole size and heel

height can be adjusted by the chain.

A wide range of patterns possible by simply adjusting the pattern wheel and jacks.

開 式 電 力 織 襪 AUTOMATIC HOSIERY KNITTING MACHINE MODEL K



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is specially manufactured for knitting fashionable seamless stockings. The welt transfer and hosiery fashion are knitted automatically.

Specification:-

The machine is available in different cylinder diameters and number of needles as follows:-

3" Diam. 96, 120, 140 needles for 6s and 20s counts yarn.

 $3\frac{1}{4}$ " Diam. 160, 176, 188, 200 needles for 32s/2 and 42s/2 counts yarn. $3\frac{1}{2}$ " Diam. 220, 240, 260, 280 needles for 60s/2 and 84s/2 counts thread.

Power Required: $\frac{1}{2}$ HP for single machine, 5 HP for 12 machines in case of group drive.

Cylinder Speed: 240-260 RPM

Weight:- Nett 160 kgs., gross 180 kgs.

Floor Space: Space occupied: $1' 6'' \times 2' 6''$

Working space required: $2' 6'' \times 5' 0''$

Attendance: One operator can handle 6-12 machines.

Production:- Based on 10 working hours:

3" Cylinder diam. machine: 5-8 doz. pairs of socks. $3\frac{1}{4}$ " : 4-5 doz. pairs of socks. $3\frac{1}{2}$ " " : 2-4 doz. pairs of socks.

Advantages:-

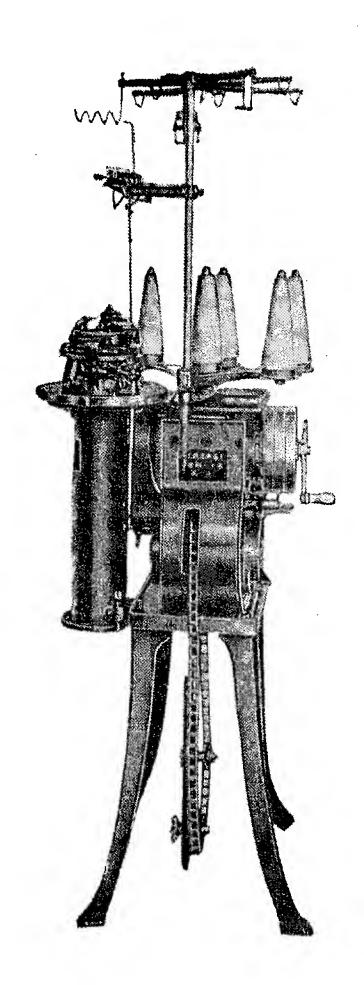
Automatically knits welt, simple operation, low power consumption, high production capacity, smooth and first class products possible.

Handles mercerized cotton yarn, cotton threads etc.

Welt can be knitted with any desired elasticity, sole size and heel height can be adjusted by the chain.

Stop motion in case of needle breakage by signal bell.

皮式電力織機 AUTOMATIC HOSIERY KNITTING MACHINE MODEL B



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is specially manufactured for knitting socks after the rib top is completed. It is to be fixed on the cylinder provided with equal number of needles to complete knitting of the rib top scck.

Specification:

Available in different cylinder diameters with number of needles as follows:-

3" Cylinder diam. 96, 120, 140 needles for 6s and 20s counts yarn. $3\frac{1}{4}$ Cylinder diam. 160, 176, 188, 200 needles for 32s/2 and 42s/2 counts thread.

 $3\frac{1}{2}$ Cylinder diam. 200, 220, 260, 280 needles for 60s/2 and 84s/2 counts thread.

Power Required: $\frac{1}{2}$ HP for single machine, 5 HP for 12 machines in case of group drive.

Cylinder Speed:-260-285 RPM.

Weight:-

Nett 150 kgs., gross 170 kgs.

Floor Space:

Working space required 2'-6"x5'-0"

Attendance:-

One operator can handle 2-3 machines

Production:-

Based on 10 working hours.

3" Cylinder diameter machine: 7-9 doz. pairs

: 7-8

Advantages:-

Low power consumption, high production capacity.

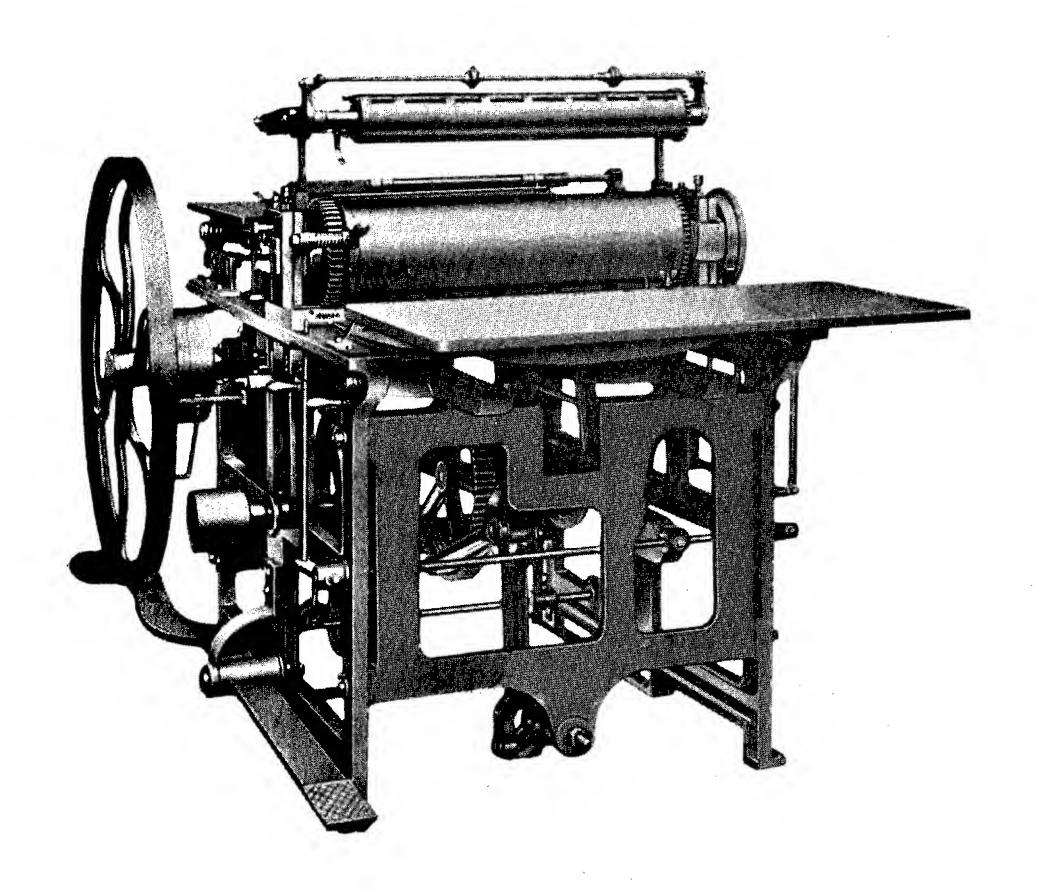
Handles mercerized cotton yarn, cotton threads, etc.

Welt can be knitted with any desired elasticity, sole size and heel height can be adjusted by the chain.

Stop motion in case of needle breakage by signal bell.

四開鉛印機 (又名六度印刷機)

CYLINDER JOB PRESS, WITH FLYER DELIVERY MODE CJQ



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

Model CJQ is a stop-cylinder letter-press for ordinary job work. Constructional features include: carriage drive by rod motion with 2 roller tracks; cylinder inking unit with 3 inking rollers; ink box with duct blade. Delivery cylinder is of the clear off type and the rotation of the impression cylinder is stopped by a handle.

Paper is fed by hand and delivered to the pile board by flyer system. The press is arranged for motor drive but at the same time it can be driven by foot treadle.

Models: CJQ

Sheet Size: 457×610 mm (18"×24")

Type Bed: $483 \times 635 \text{ mm } (19'' \times 25'')$

Chase, inside measurement: $445 \times 597 \text{ mm } (17\frac{1}{2}^{"} \times 23\frac{1}{2}^{"})$

Type Matter Locked in Chase: $457 \times 610 \text{ mm} (18'' \times 24'')$

Impressions per Hour: 1500

Flywheel Revolutions per Impression:

Installation Floor Space: 1800 x 1250 (72" x 50")

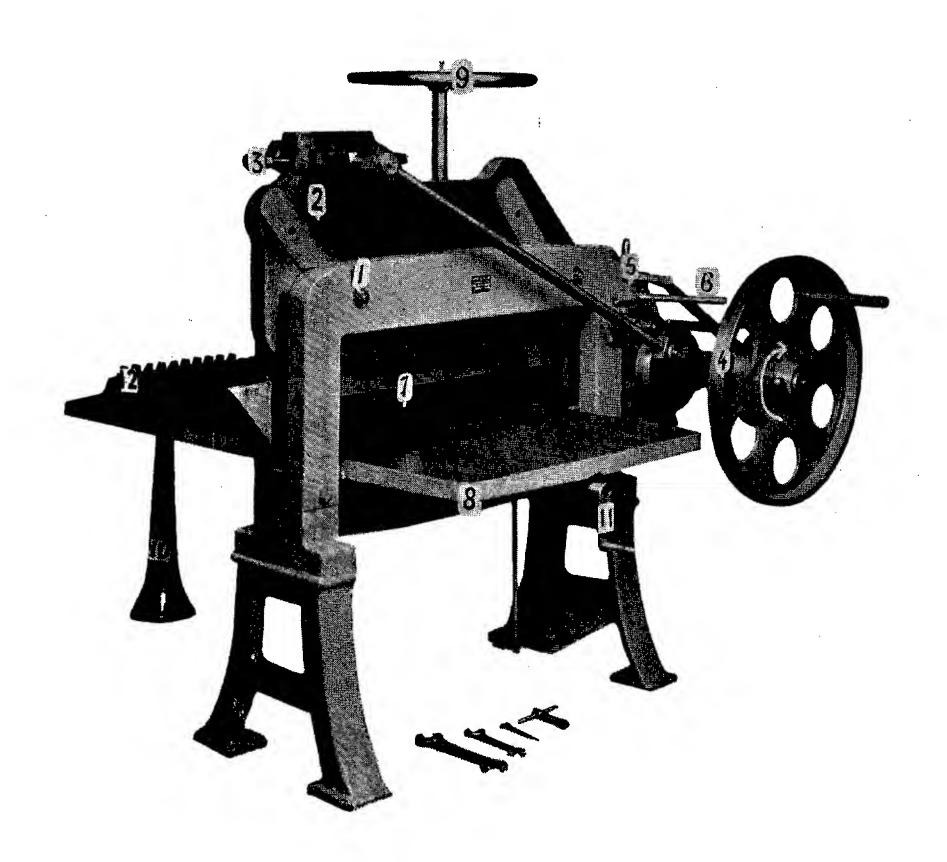
Pulley Diameter x Width: 300 x 50 mm (12" x 2")

Weight: Net: 1100 kgs. approx.

Gross: 1500 kgs. approx.

Shipping Space: 3 cubic meters approx

對開切紙機 PAPER CUTTING MACHINE, MODEL PC-36



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION 香港代理處: 華 潤 公司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is so arranged that it can be driven either by hand or by power. It is of sturdy construction and has a high production capacity. The knife is automatically disengaged at its highest position. The knife holder is provided with double side connecting rods for diagonal cutting. The height of the table can be adjusted to avoid under or over cutting. The back gauge is adjusted by means of spindle and crank. The pressing beam is operated by a hand wheel. For power drive, an electric motor of 1½ H. P. is required. Starting and stopping of the machine are effected by a coupling clutch operated by a hand lever. This model is constructed for small enterprise, but can be utilized as a good auxiliary machine in large printing establishments.

Model:

015 mm (26")

PC-36

Length of Cut:

915 mm (36")

Height of Stack:

130 mm $(5 - \frac{1}{8}")$

Table Surface:

 $1070 \times 915 \text{ mm } \left(42\frac{1}{2}^{"} \times 36\frac{1}{2}^{"}\right)$

Installation Floor Space:

2060 x 2400 mm (82" x 96")

Weight:

Net: 1100 kg. approx.

Gross: 1400 kg. approx.

Shipping Space:

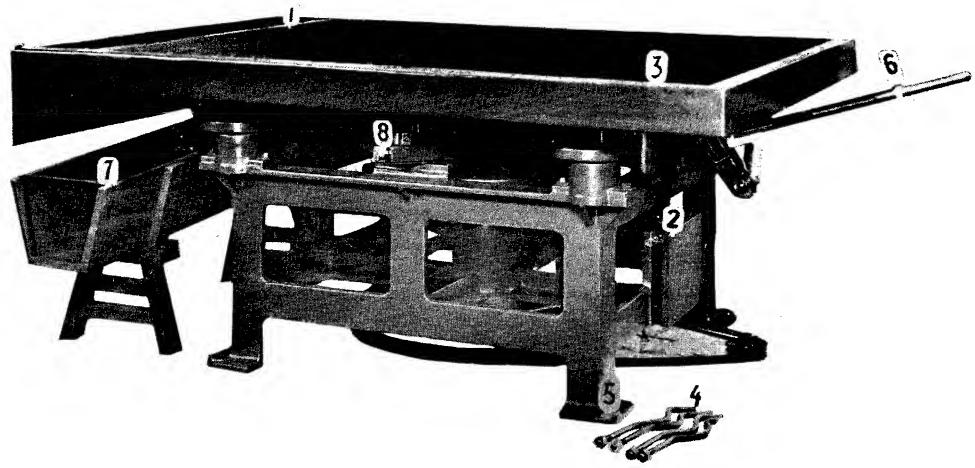
2.5 cu. m. approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

Sanitized Copy Approved for Release 2010/02/04 : CIA-RDP80T00246A032600140001-4

CODE: RT - 5003

全 張 磨 鋅 皮 機 ZINC PLATE GRAINING MACHINE, MODEL GM



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION 香港代理處: 華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

THIS MACHINE is for cleaning and graining zinc plates for offset works.

Glass, ceramic or steel marbles with sand are used, which may be supplied, if required.

It is directly driven by motor through vee belting.

Model:

GM

Inside Measurement of Box:

1730 × 1270 mm (68" × 50")

Speed:

120 rpm

Installation Floor Space

2000 x 1450 mm (80" x 58")

Motor:

1½ H. P.

Net Weight:

1150 kgs. approx.

Gross Weight:

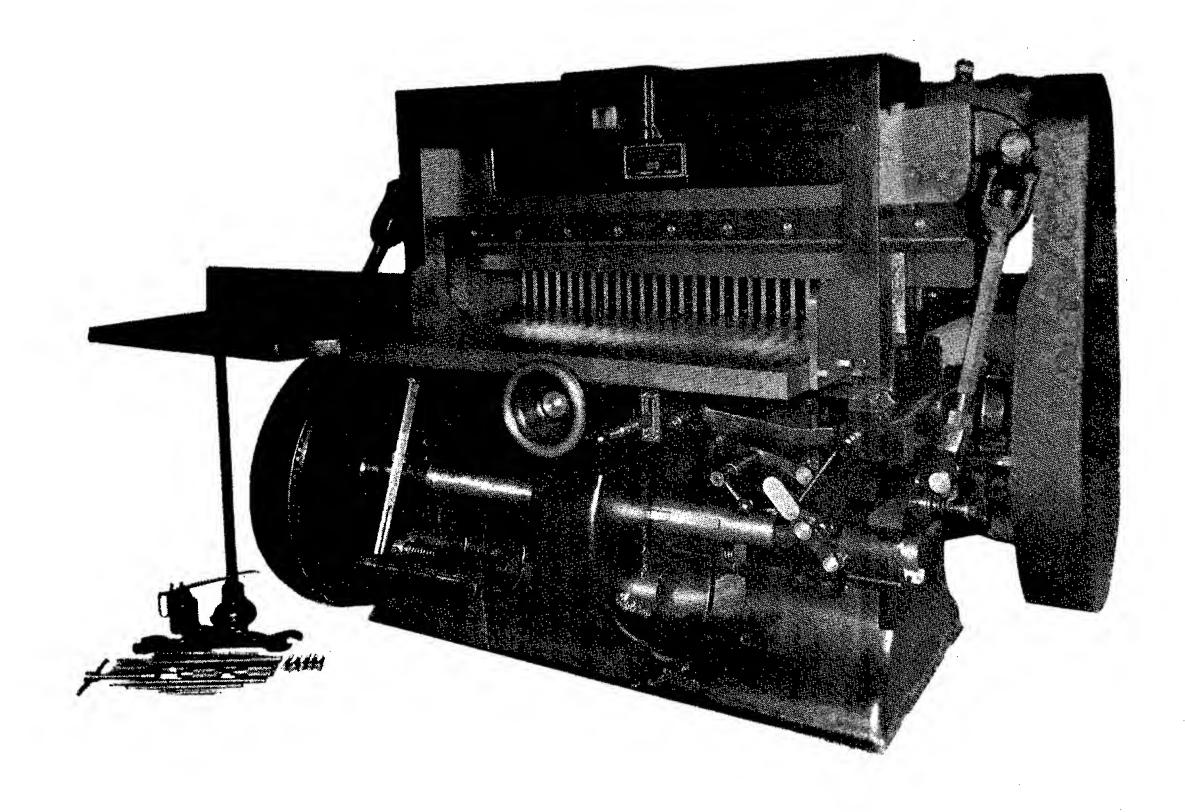
1400 kgs. approx.

Shipping Space:

3.6 cu. m. approx.

全張自動切紙機

AUTOMATIC PAPER CUTTING MACHINE, MODEL PC - 50



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is especially suitable for large factories desirous of having a modern machine of high output. Clamping of the material, cutting and raising of the knife take place automatically. The automatic clamping device acts immediately after the machine has been started; it transmits pressure upon the full depth of the pile. Mechanical forward and backward movement of the back gauge are controlled by a lever. The exact distance between the knife and the back gauge is indicated by a cutting space indicator which, in conjunction with the side gauge on the front table, facilitates feeding and ensures perfect square cut. The main shaft is equipped with a multi-disc clutch, by means of which the cutting pressure can be regulated. The machine is driven by an electric motor, all driving belts being effectively guarded.

Model: PC-50

Length of Cut: 1270 mm (50")

Height of Cut: 130 mm (5-1/8")

Time per Cut: 4 seconds

Installation Floor Space: 2450 x 2600 mm (98" x 104")

Motor: 5 H. P.

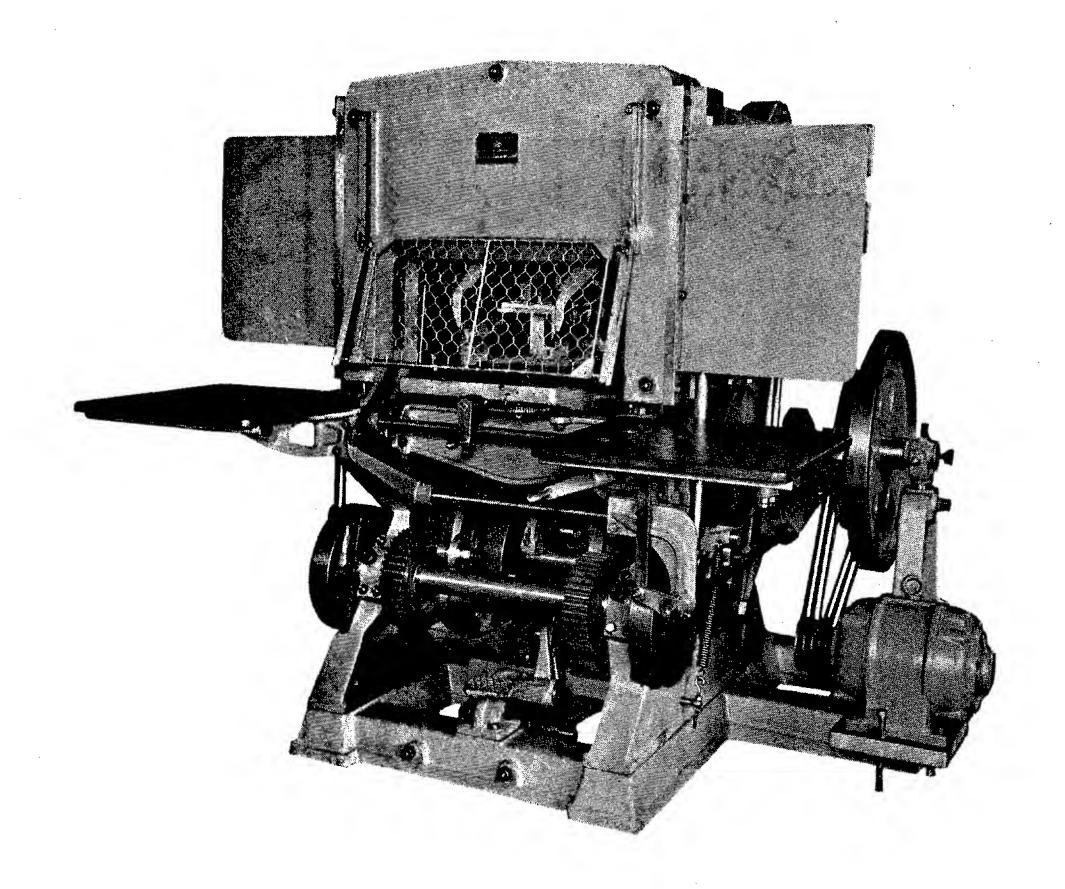
Weight: Net: 3600 kgs. approx.

Gross: 4300 kgs. approx.

Shipping Space: II cu. m. approx.

三面切紙機

THREE KNIFE BOOK TRIMING MACHINE, MODEL BT



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG
CABLE ADDRESS: "CIRECO."

Sanitized Copy Approved for Release 2010/02/04 : CIA-RDP80T00246A032600140001-4

This machine is very popular to book-binding factories. It simultaneously trime stacks of paper, books, etc. on three sides. The automatic clamping device acts before the cutting operation; it transmits pressure on the entire top surface of the pile. The adjustment of the side-knives and of the back gauge, which becomes necessary for trimming a pile of another size, can be made in the most simple manner. Form plates of different sizes can be supplied at buyers' option.

The cutting zone is protected with guard screen so that the machine is accident proof.

Model: BT

Number of Cutting Knives: 3

Time of each Cutting: 10 seconds

Minimum Size to be Cut: $51 \times 78 \text{ mm} (2'' \times 3 - 1/8'')$

Maximum Size to be Cut: $254 \times 406 \text{ mm} (10'' \times 16'')$

Height of Stack: $57-132 \text{ mm } (2\frac{1}{4}"-5\frac{1}{4}")$

Installation Floor Space: 2200 x 2100 mm (88" x 84")

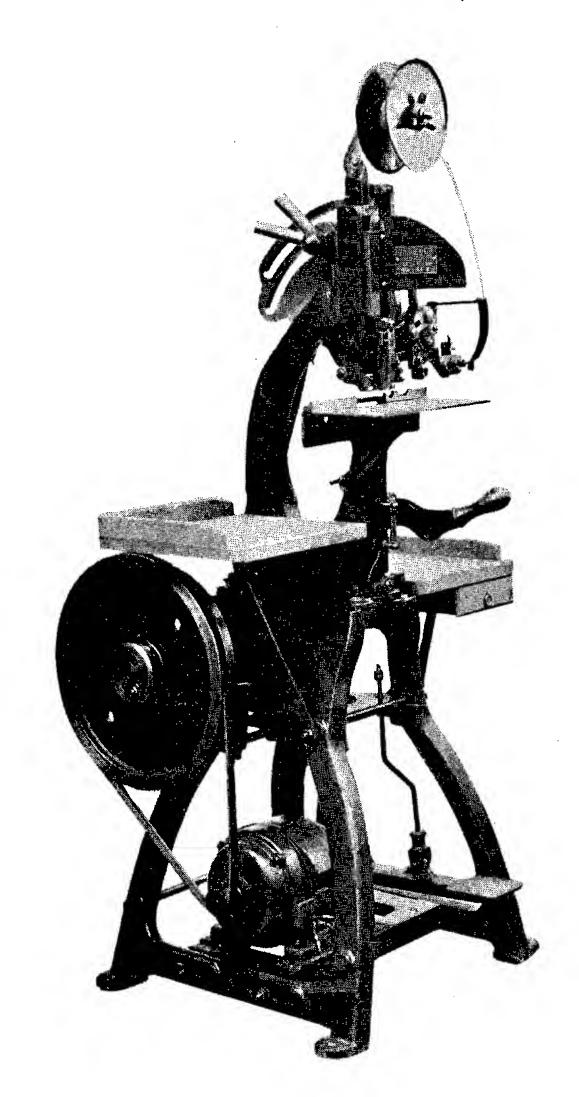
Motor: 3 H. P.

Weight: Not: 3600 kg. approx.

Gross: 3800 kg. approx.

Shipping Space: 9.2 cu. m.

電動訂書機 WIRE STITCHING MACHINE, MODEL WSP



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is specially made for book binding work. It is driven either by electric motor or by treadle. For book binding, roung shaped wire is used, the staple is struck from underneath and is bent forward.

Model:

WSP

Thickness:

15 mm (5/8")

Staple Length:

12.7 mm $(\frac{1}{2}")$

Maximum Capacity:

120 staples per minute

Installation Floor Space:

686×711 mm (27"×28")

Motor:

1 H. P.

Weight:

Net:

160 kg. approx.

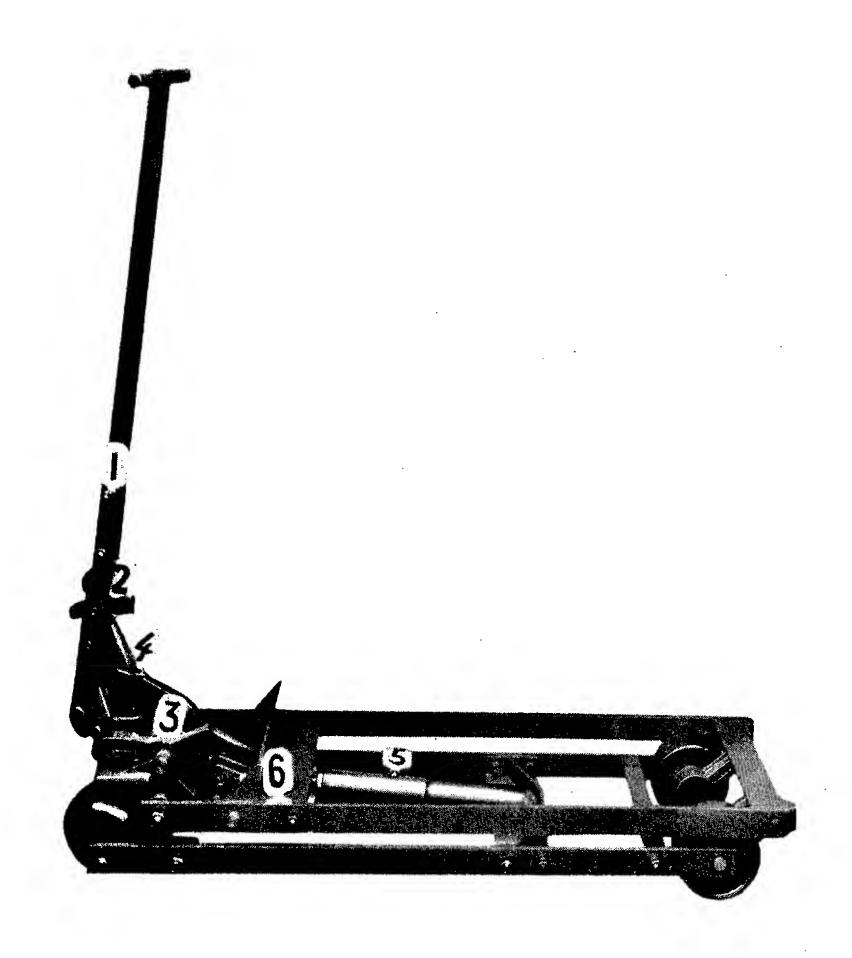
Gross:

230 kg. approx.

Shipping Space:

I cu. m. approx.

拖 紙 機 LIFTING TRUCK MODEL LT



中國運輸機械進口公司經售 Farported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公司

Hong Kong Agency: CHINA RESOURCES CO.

One of the important operations in any printing establishments is to handle materials efficiently. This hand lifting truck facilitates material handling, thereby reducing production cost.

Model:

LT

Maximum Load:

750 kg.

Lifting Height:

660 mm (26").

Size:

960 x 470 x 160 mm

 $(38'' \times 18\frac{1}{2}'' \times 6\frac{1}{2}'')$

Weight:

Net:

18 kg. approx.

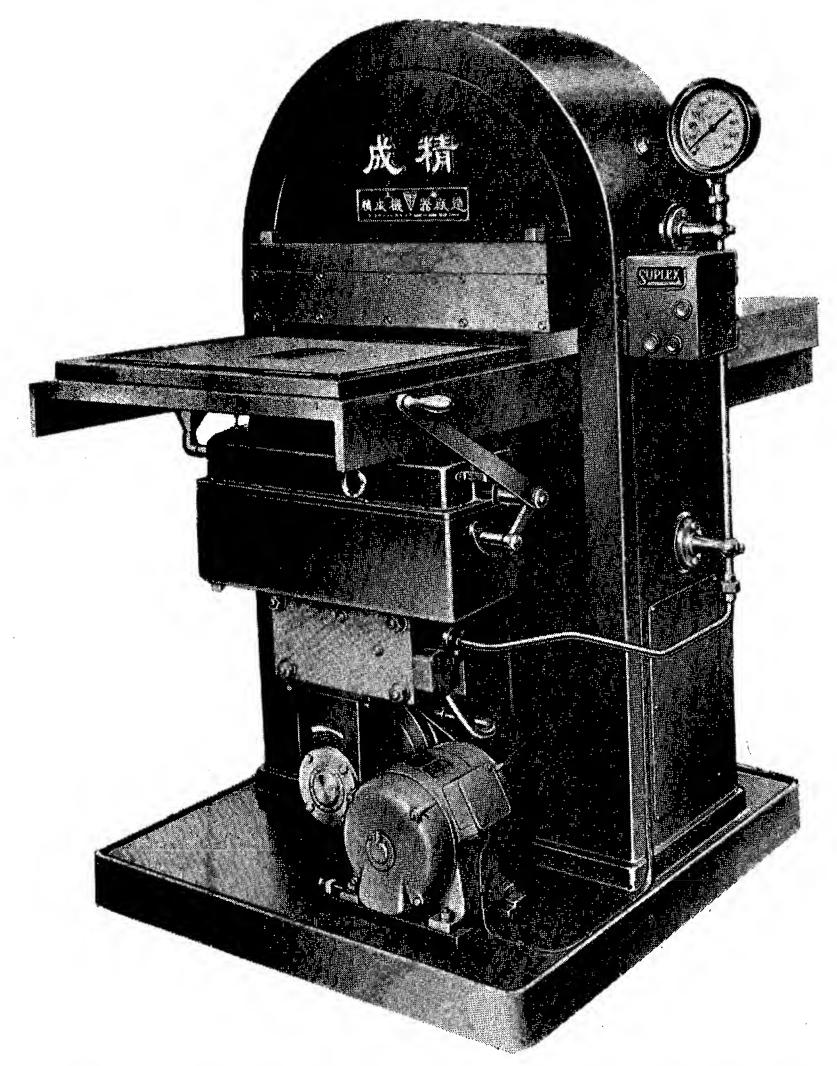
Gross:

140 kg. approx.

Shipping Space:

o.256 cu. m. approx.

500 噸液力壓紙版機 HYDRAULIC MATRIX MOULDING PRESS 500 TONS CAPACITY



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

Sanitized Copy Approved for Release 2010/02/04 : CIA-RDP80T00246A032600140001-4

Speed of Matrix Moulding:

20 sec. per matrix

Maximum Pressure:

500 tons

Effective Pressure for Moulding

Newspaper Matrix:

260 - 320 tons

Maximum Size of Matrix:

540 x 700 mm

Maximum Width of Working Table:

720 mm.

Power Required:

ı½ H. P.

Overall Dimension:

Length 1.64 x width 1 x height 1.6 meter

Net Weight:

3.800 kg. approx.

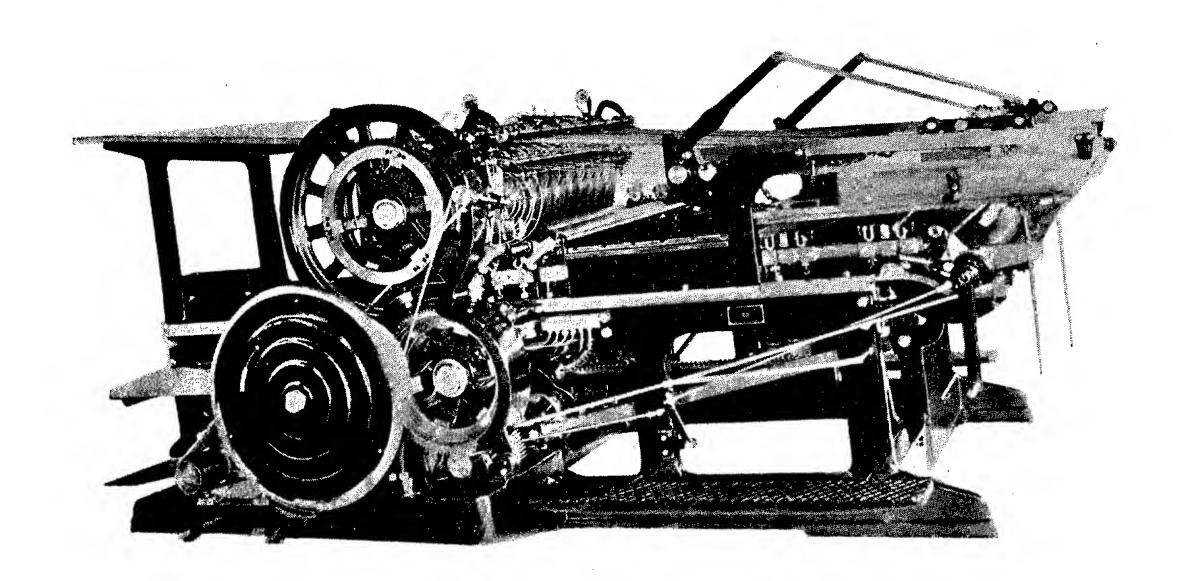
Gross Weight:

4.050 kg. approx.

Shipping Space:

2.66 cu. meter approx.

全張雙迴轉印刷機 TWO REVOLUTION MACHINE MODEL 51 (FULL SIZE)



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

	\sim	٠.	. •	
1.	Spe	CITIC	ations	:-

Press Table Dimension	•••	• • •	• • •	• • •	• • •	• • •	1274 × 981 mm
Size of Roller (diameter x length)		• • •	• • •	•••	•••	• • •	ø 533.4×1168 mm
Roller Rail (Height)	• • •	• • •	• • •	• • •	• • •	• • •	23.44 mm
Size of Ink Duct (Width x length)		•••		•••	• • •	•••	1150 x 905 mm
Maximum Size of Sheet	• • •				• • •	• • •	1100 x 800 mm

2. Mechanical Features: -

Туре	• • •	• • •	•••	• • •	• • •		•••	• • •	Single Printing
						Rolle	wit	h inc	reasing pressure
Impressing Pressure		• • •	•••	• • •	•••	• • •	• • •	•••	5 Kg/cm²
Speed of Printing Roller	• • •	•••	•••	•••	• • •		• • •	•••	36-62 rpm.
Impressions per mimute	•••	•••	•••	•••	• • •	• • •	• • •	• • •	18 - 31
Track of Distribution Rollers	• • •	• • •	• • •	• • •	• • •		* * *		(1) 40 mm
									(2) 38 mm

Power:

A. C. motor, 3 phase, 50 cycle, 220/380 volts, 5.5 KW, 1450 rpm.

Dimensions:

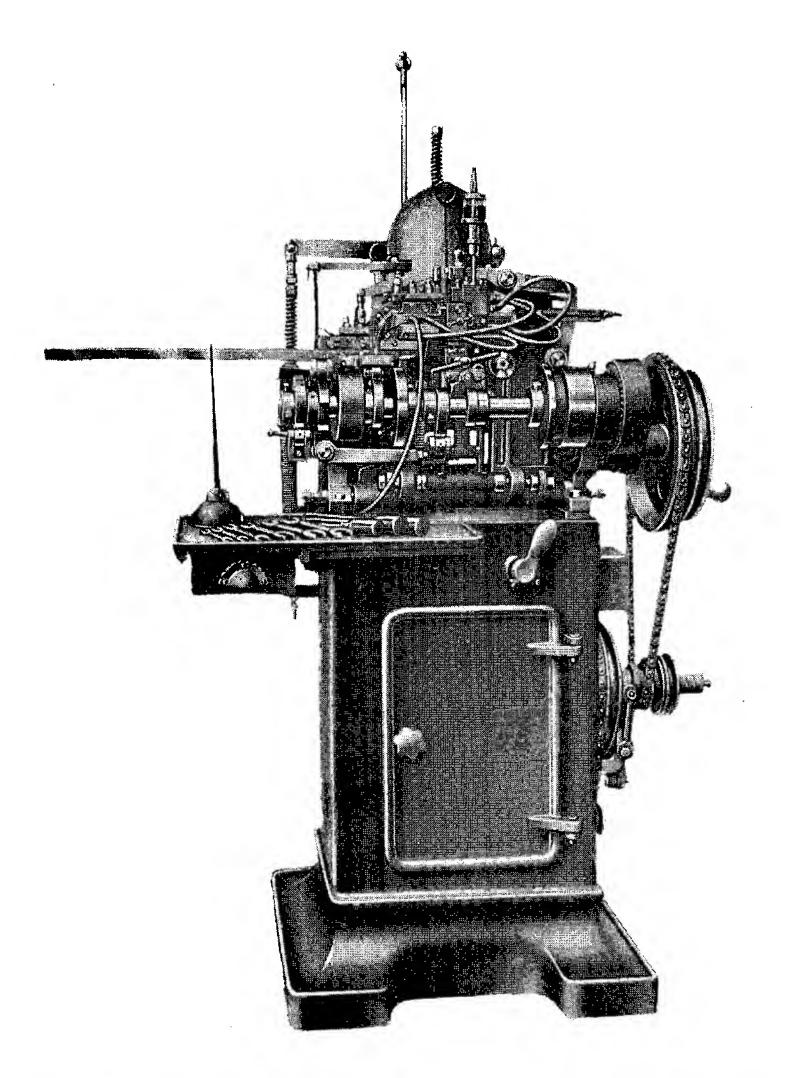
4200 x 2700 x 1700 mm

Weight:

approx. 9800 kg.

鏄 字 機

TYPE CASTING MACHINE, MODEL TCL



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is developed for high speed casting of sharp and clean types. The essential parts are made of high grade carbon steel, those which are subject to wear as well as the shafts are hardened and heat treated. The most important part of this machine, the matrix case, is made of special chromium alloy steel and precision ground ensuring production of sharp metal types. It is arranged for heating by electric current, consuming about 3 KW. The machine is equipped with a $\frac{1}{2}$ H. P. electric motor and a type casting case, the size of which is at buyer's option.

Model:

TCL

Casting Range:

6 points to 28 points

Production per Minute:

For 6 points, 130-150 castings

Installation Floor Space:

850 x 650 mm (34" x 26")

Weight:

Net:

420 kg. approx.

Gross:

485 kg. approx.

Shipping Space:

I.I cu. m. approx.

轉 字 盒 TYPE-CASTING CASE,

MODEL TCC

中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

These Casting Cases are made of special chromium alloy steel, precision ground and heat treated ensuring production of clear and sharp metal types. They are available in three models:

TCC-A: Fixed model used for casting assigned sizes of types.

TCC-B: Adjustable model used for casting various sizes of types of uniform height.

TCC-C: Universal quotation casting box for casting hollow types from No. 2 to No. 6.

Each type-casting case is provided with 3 sets of steel moulds, specification of which is at buyer's option.

Dimension:

 $230 \times 180 \times 90 \text{ mm} \left(9'' \times 7'' \times 3\frac{1}{2}''\right)$

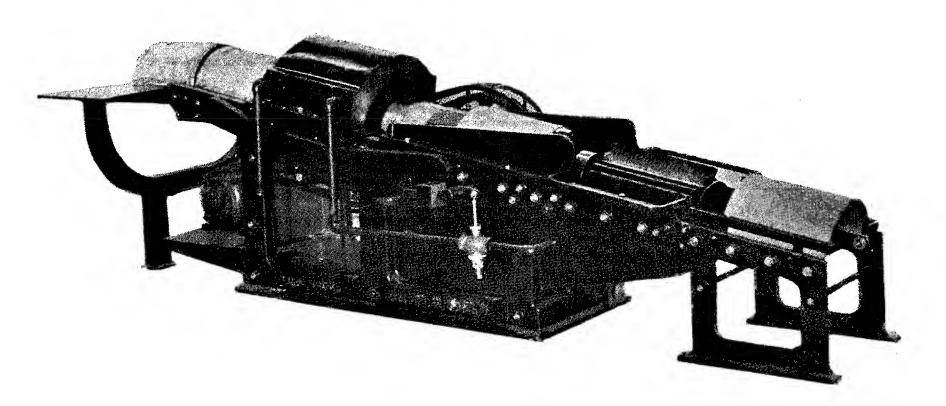
Weight:

4 kgs. approx.

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CODE: RT - 5012

熔 鉛 爐 泵 浦 MELTING OVEN WITH PUMP, MODEL RN - 14



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION 香港代理處: 華潤公司

CABLE ADDRESS: "CIRECO."

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING
HONG KONG

This oven is characterised by its simplicity and efficiency. It can be installed at any place to cast stereo-plates for Model RP 1-64 and RP 4-64 largh size Rotary Presses. Metal is pumped through a charge pipe and forced into the casting box by pushing its hand-lever. A single stroke of the lever will deliver a quantity of metal sufficient to form one plate.

Specifications:

Capacity of Pot:

2,600 kg. of lead alloy

Displacement of Pump:

8,600 cm³

Surface of Oven Grate:

 $3,726 \text{ cm}^2$

Fuel Used:

Bituminous Coal

Net Weight:

2,500 kg. approx.

Gross weight:

2,800 kg. approx.

Shipping Space:

5.5 cu. meter approx.

Attached Equipments:

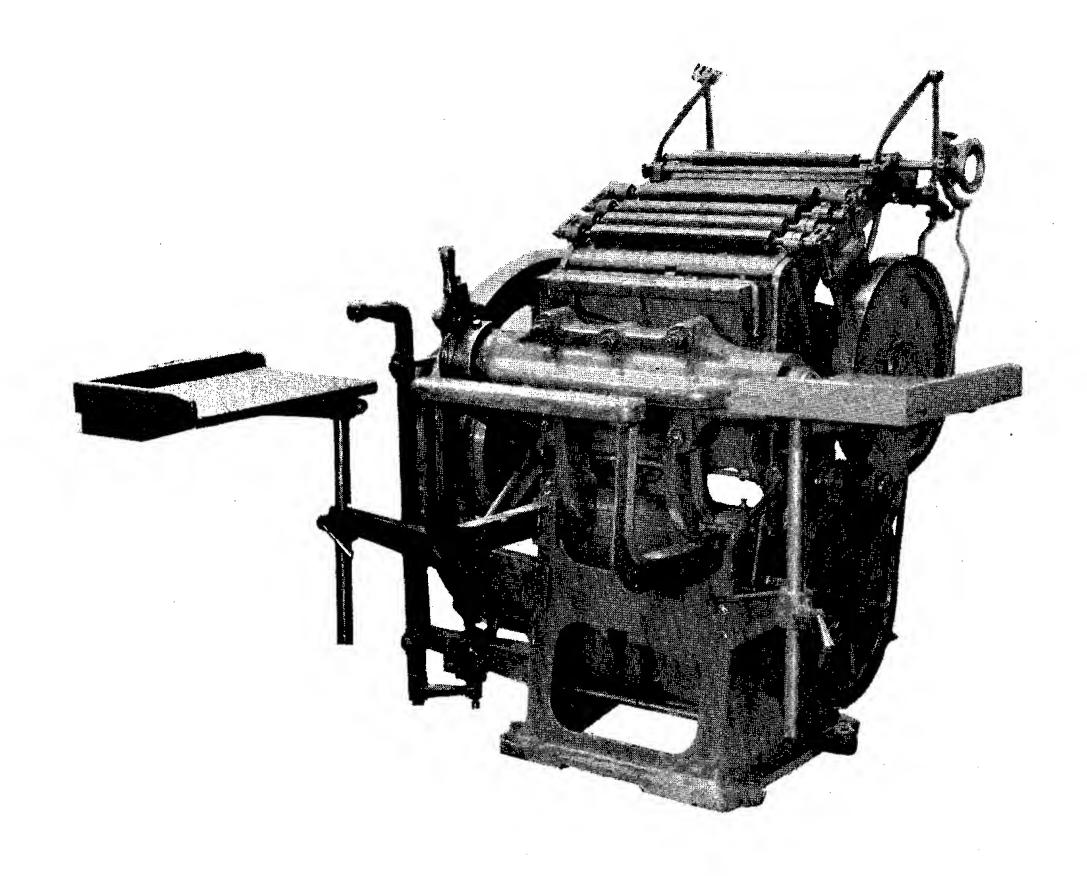
1 pc.

Thermo-couple Pyrometer

I set

Chimney 7 m x 200 mm Ø

方箱印刷機 PLATEN PRESS, MODEL PP-14



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This is a fine art platen press suitable for general job printing and also for half-tone and zinc block works. It is built with sturdy bed and frame, a single disc and self-inking apparatus, friction clutch and brake. It is capable of a wide range of printing, requiring minimum power and space.

Model:

PP - 14

Chase, inside measurement:

 $330 \times 432 \text{ mm } (13'' \times 17'')$

Size of Platen:

 $355 \times 508 \text{ mm} (14" \times 20")$

Impressions per Hour:

1260

Installation Floor Space:

 $1270 \times 1880 \text{ mm} \left(50\frac{1}{2}'' \times 74''\right)$

Motor:

1 H. P.

Weight:

Net:

1,200 kg. approx.

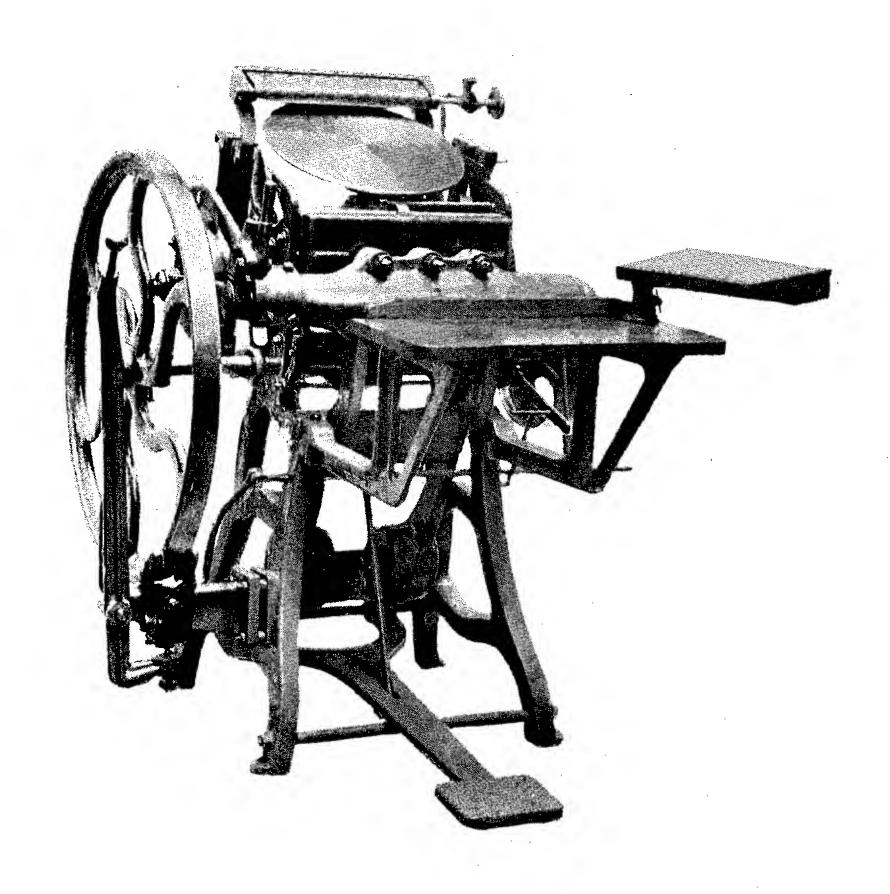
Gross:

1,500 kg. approx.

Shipping Space:

3 cu. m. approx.

元 盤 印 刷 機 PLATEN PRESS, MODEL PP-10 FOR TREADLE DRIVE.



中國運輸機械進口公司經售 Farported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

This model has a strongly built vertical bed, a single disc and self-inking apparatus for Perfect inking distribution. It is equipped with a device for regulating and throwing off impressions in any position of the platen.

Model:

PP-10

Chase, inside measurement:

 $254 \times 381 \text{ mm } (10'' \times 15'')$

Size of Platen:

279 x 406 mm (II" x 16")

Impressions per Hour:

1200 to 1800

Installation Floor Space:

 $1422 \times 1219 \text{ mm } (56" \times 48")$

Weight:

Net:

530 kg. approx.

Gross:

650 kg. approx.

Shipping Space:

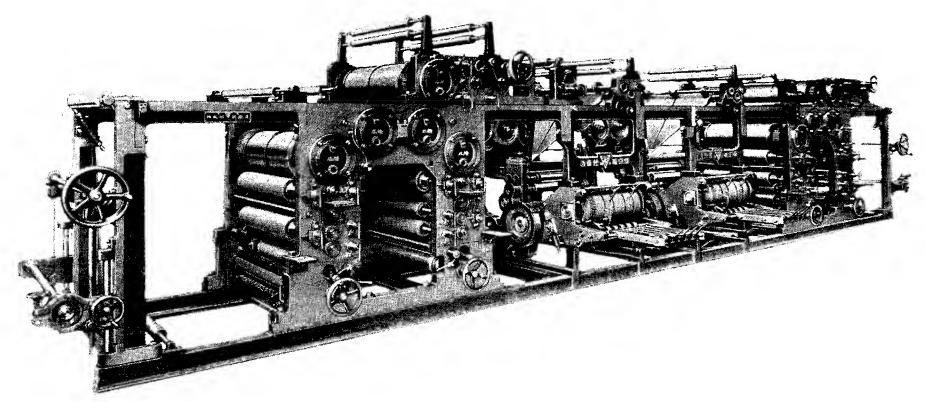
1.7 cu. m. approx.

Sanitized Copy Approved for Release 2010/02/04 : CIA-RDP80T00246A032600140001-4

CODE: RT-5015

單捲筒十六版輪轉印報機 UNI-REEL 16-PAGE NEWSPAPER ROTARY PRESS

MODEL RP 1-64



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.
BANK OF CHINA BUILDING

HONG KONG
CABLE ADDRESS: "CIRECO."

This rotary press is capable of printing newspaper with a daily circulation from 50,000 to 100,000 copies. The construction has been carefully designed with due consideration of the large dimension of the cylinder of 4-plate width. It is both easy to install and to dismantle. Every part is so designed as to simplify the operation.

This Rotary Press is composed of two printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed and fitted with an eccentric mechanism for adjusting the center of the shaft to ensure printing accuracy and correct pressure. Its main drive comprises of a 35 h. p. A. C. commutator motor with push button control for speed regulation. To stop the rotary press, an electromagnetic brake is provided.

This Rotary Press is equipped with a tapeless double folder and one of 45° turning bars.

This press handles paper reels of 64" width, but those of 63" are also adaptable

For feeding the paper there is a 5 H. P. motor but a hand feeding lever is also provided.

Technical Data:

Maximum Printing Surface	$14\frac{3}{4}$ × 21
Size of 4-page paper (with 64" width reel)	22" × 32"
Printing Diameter	14"
Number of Plates	16 pcs.
Number of Plates for Second Colour	8 pcs.
Inickness of Plates	14 mm.
Thickness of Blanket	5 mm.
Standard Speed	12,500 cyl r/h
Maximum Speed	13,000 cyl r/h

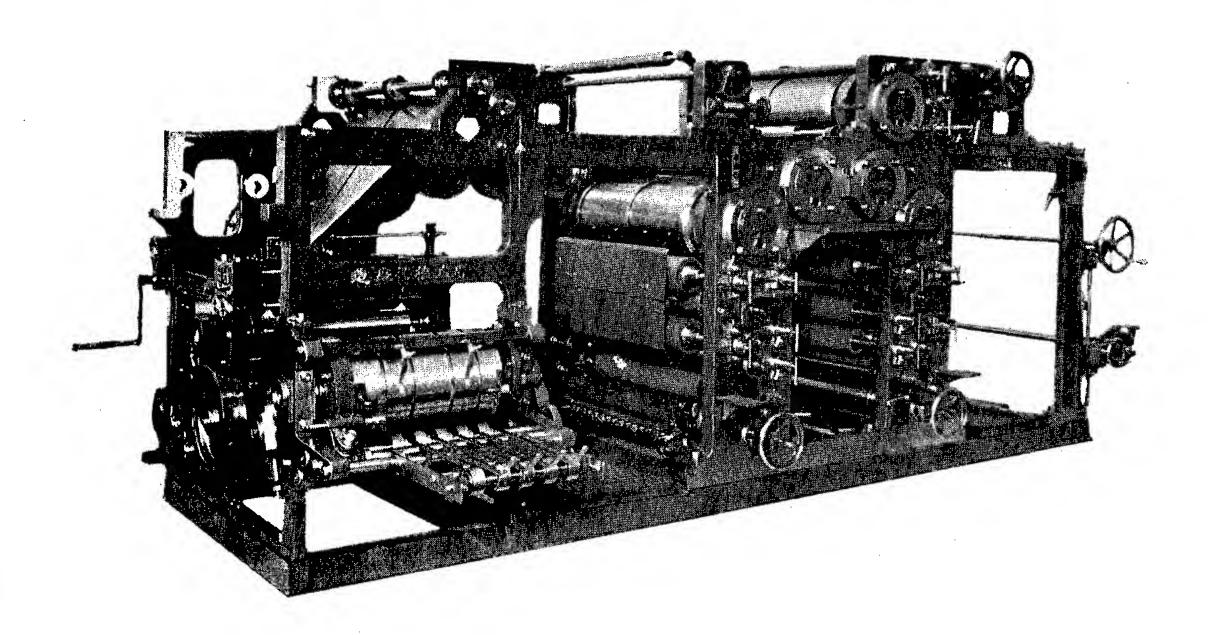
Output:

No. of Sheets per copy	No. Pag		(Copie	s/Ho	ur		lo. o with	,	_	V	Width	of F	Reel
$\frac{1}{2}$	2			100,000					I			6	4"	
Ī	4			50,	000				2			6	٥4"	
$\lfloor \frac{1}{2} \rfloor$	6)		25,	000				3			1	₊8″	
2	8	3		25,	000				4		64"			
1½ double	12			12,	500			6	5			L	48"	
4	16	•		12,	500			8	3			6)4"	
Power Required Overall Dimension	• • •	•••	•••	•••	•••	•••	•••	•••	•••	•••		3. length width		m.
Net Weight (includ Gross Weight (included) Shipping Space	ing el uding	ectri elect	cal e trical	quipm equi	nent) pmen	 nt)	•••		•••	3	9,500 2,500	eight 2 0 kg. 0 kg. u. m.	appr appr	cx.

Standard Equipment:

- 1-Stereo-plate Casting Machine Model RD-14
- 1-Automatic Boring Machine (Autoshaver) Model RF-14
- 1-Melting Oven with Pump Model RN-14
- 1-Hydraulic Matrix Moulding Pump 500 Tons Capacity, Model PH 2

單捲筒八版輪 鹎印報機UNI-REEL 8 - PAGE NEWSPAER ROTARY PRESS MODEL PR 1-32



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

This Rotary Press is designed for printing 10,000 to 50,000 copies of newspapers daily. It is also adaptable to book and job printings. Rigidity in construction and simplicity in operation are its essential features. Its main frame is of the arch type which provides ample working space, and its parts are arranged within convenient reaches of the worker.

This press is composed of 2 printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed. An eccentric mechanism is provided for adjusting the center of the shaft to ensure printing accuracy and correct pressure. The length of the cylinder is equal to the width of two plates.

The press is complete with one tapeless folder. Each complete issue of the newspaper will be automatically folded into two plaits by means of the folding triangles and cylinders and sent out of the rotary press in consecutive order through its tape delivery. A counter with recording marks for every 25 copies or 50 copies of newspapers delivered, is attached to the press for purpose of computation.

The press takes a single paper reel of 32" width, but reels from 31" up to 34" are also adaptable. Lifting device for paper reel is provided to save work and time. Another convenient feature is that two such presses can be connected together to convert into a two-reel 16 page press.

The electric drive consists of a variable speed A. C. commutator motor with remote control of speed by push buttons.

In case of emergency an electro-magnetic brake automatically stops the machine.

Technical Data:

	•					
Meximum Printing Surface		• • •	•••	•••	• • •	$14\frac{3}{4}'' \times 21''$
Size of 4-page Copy (with 32" width reel)	• • •				• • •	$22'' \times 32''$
Standard Width of Paper Reel				• • •		32"
Printing Diameter						
Number of Plates						
Number of Plates for Second Colour	• • •	• • •	• • •	• • •	• • •	4 pcs.
Thickness of Plates			• • •		• • •	14 mm.
Thickness of Blanket						
Standard Speed	• • •	• • •	• • •			12,500 cyl r/h

Output: Average as follows:

No. of Sheets per copy	No. of Page	Copies/Hour	No. of Pages with Colour	Width of Reel
$\frac{1}{2}$	2	50,000	I	32"
}	4	25,000	2	32"
2	8	12,500	4	32"

Standard Equipment includes one each of:

- 1-Matrix Moulding Press
 1-Oscillating Cup Casting Plant
- 1-Melting Pot.

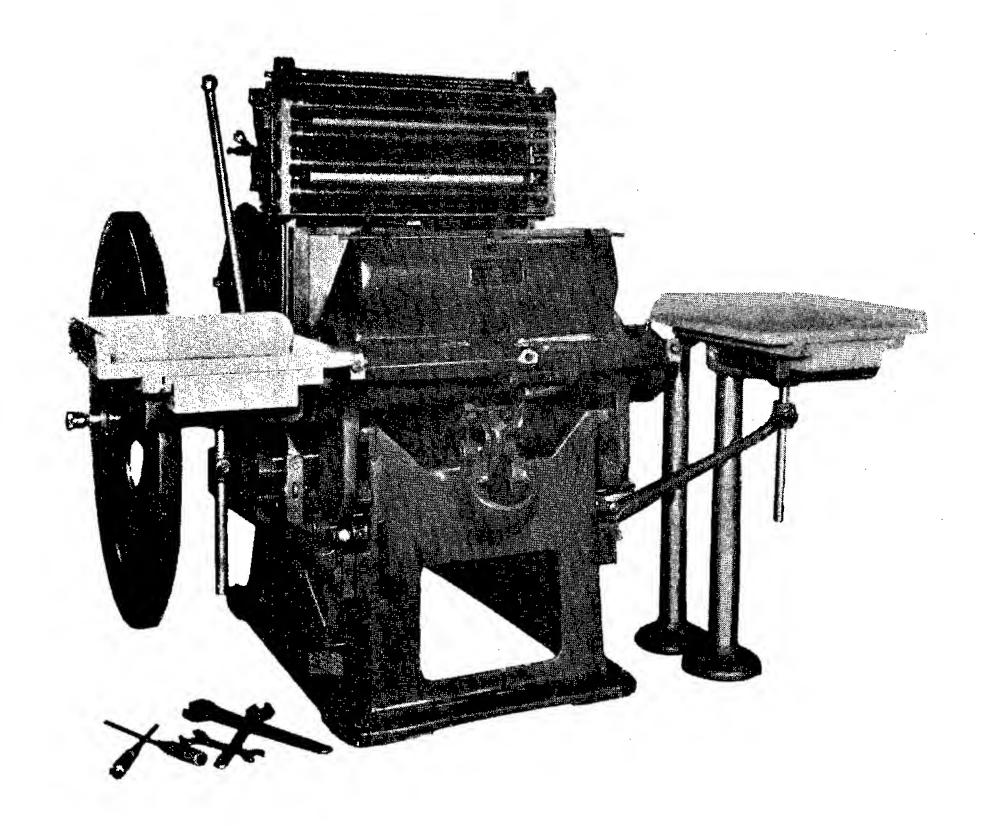
- I-Router with Electric Drive
- 1-Shaver for Curved Stereos
- 1-Trimming Apparatus

Total Weight (including stereotyping set and electric equipment): 12,650 kg. (approx.)

Gross Weight 12,250 kg. approx.

Shipping Space 22.65 cu. m. approx.

三色凸版機 PLATEN PRESS MODEL PP-16



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA BUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

In introducing this platen press we provide a machine which produces finest tint work as well as ordinary job work at highest speed. Bed and frame are cast in one piece. The machine is furnished with two tension rods, cylindrical inking with four inking rollers, friction clutch and brake. Operation of this machine requires minimum power and space.

Model:

PP16

Chase, inside measurement:

 $394 \times 560 \text{ mm} \left(15\frac{1}{2}'' \times 22''\right)$

Size of Platen:

420 x 585 mm $(16\frac{1}{2}$ x 23")

Impressions per Hour:

1500

Installation Floor Space:

 $2032 \times 1321 \text{ mm } (80" \times 52")$

Pulley, diameter x width:

 $330 \times 75 \text{ mm } (13'' \times 3'')$

Motor:

2 H. P.

Weight:

Net: 1500 kg. approx.

Gross: 2000 kg. approx.

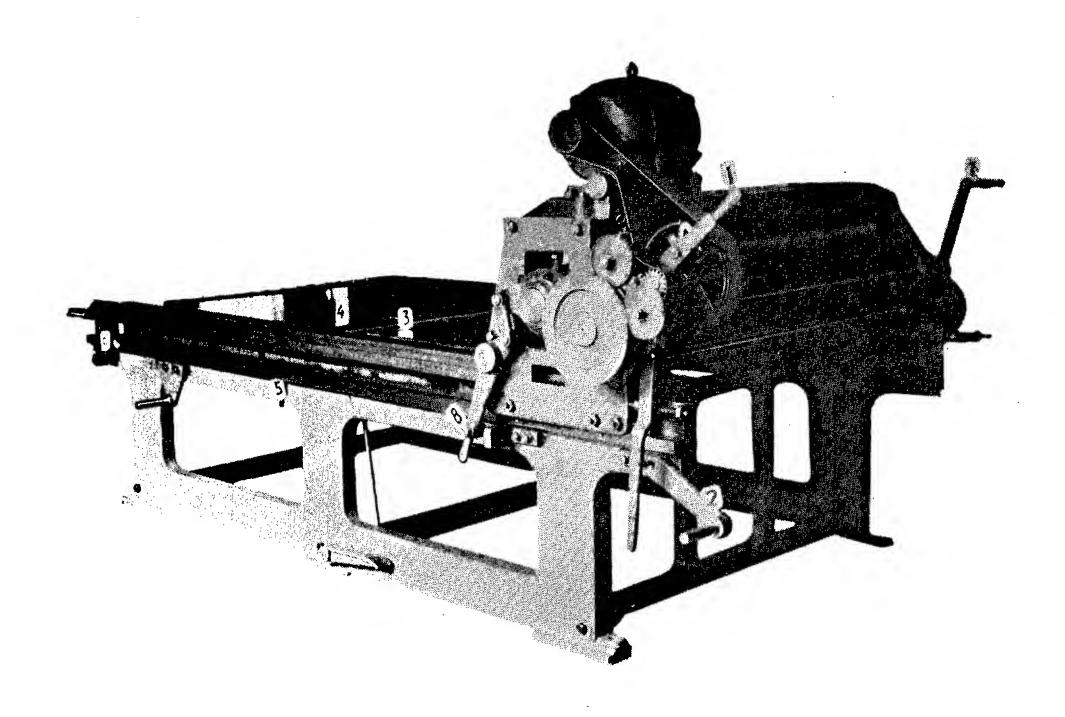
Shipping Space:

3.8 cu. m. approx.

對開膠版打樣機

SINGLE COLOUR OFFEST MACHINE

MODEL OHF WITH FLYER DELIVERY
MODEL OHC WITH CHAIN GRIPPER DELIVERY



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This is a popular machine for any offset printing establishment, capable of handling intricate colour printing on any kind of paper. It is provided with either flyer delivery or chain gripper delivery at buyers' option. Other unique features of this machine are: improved inking device, dense and sharp impression and perfect register.

Model:

OHF & OHC

Printing Surface:

610 x 915 mm (24" x 36")

Plate Size:

 $725 \times 915 \text{ mm } (28\frac{1}{2}\% \times 36\%)$

Paper Size:

610 x 915 mm (24" x 36")

Blanket Size:

864×915 mm (34"×36")

Production:

2700 sheets per hour on one side.

Drive Ratio:

5:1

Pulley Size:

550 mm (22") diameter

Motor:

3 h. p.

Installation Floor Space:

3000 x 2000 mm (10'0" x 6'8")

Weight:

Net:

Gross.

3500 kg. approx.

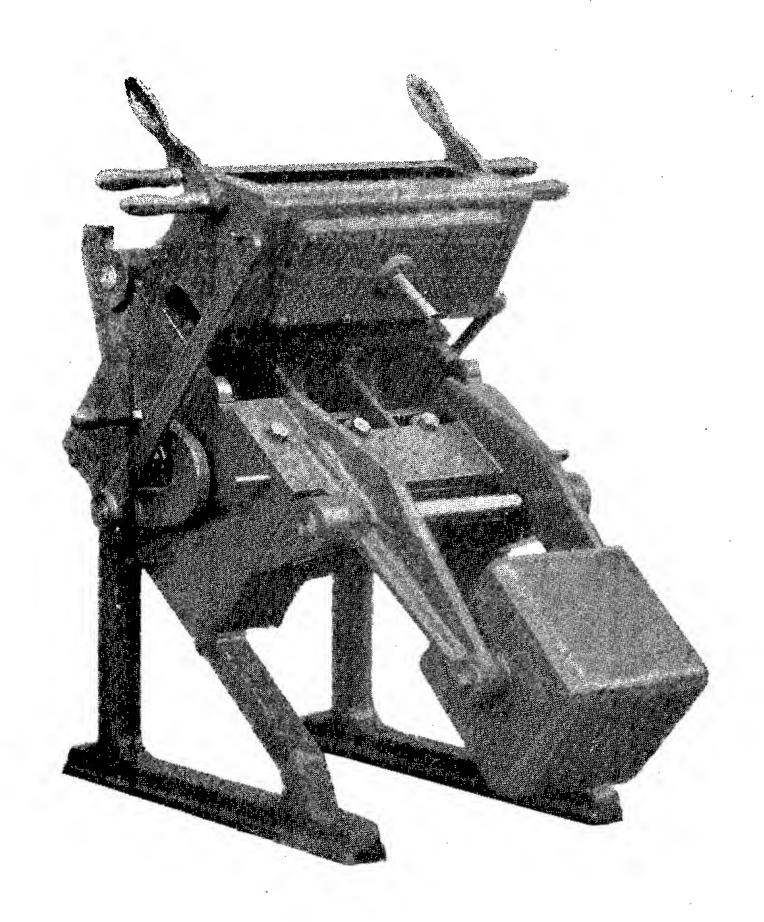
4360 kg. approx.

Shipping Space:

12 cubic meters approx.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

澆 鉛 版 機 STEREO-PLATE CASTING MACHINE MODEL RD-14



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

This machine is designed for mechanical casting of curved stereo-plates for rotary presses. It is oftenly used in combination with Model RN-14 melting oven. Left or right hand operated types can be supplied as required.

The installation of this machine is simple as only a concrete foundation is required for the work.

It comprises of a turnable vertical cylinder in the center of a curved casting box. After the machine is set in motion by a lever movement, molten metal is pumped into the mould and a stereo-plate is formed. Thereafter, the stereo-plate travels with the cylinder and is trimmed. Water cooling system is provided throughout the entire casting process.

Specifications:

Dimension of Stereo-plate:

To customers' requirement

Capacity:

I plate per minute

Power required:

7½ H. P.

Space Required for Machine

(including Oven & Pump) in sets:

Length 2 x width 2 x height 2 meter

Net Weight:

2,000 kg. approx.

Gross Weight:

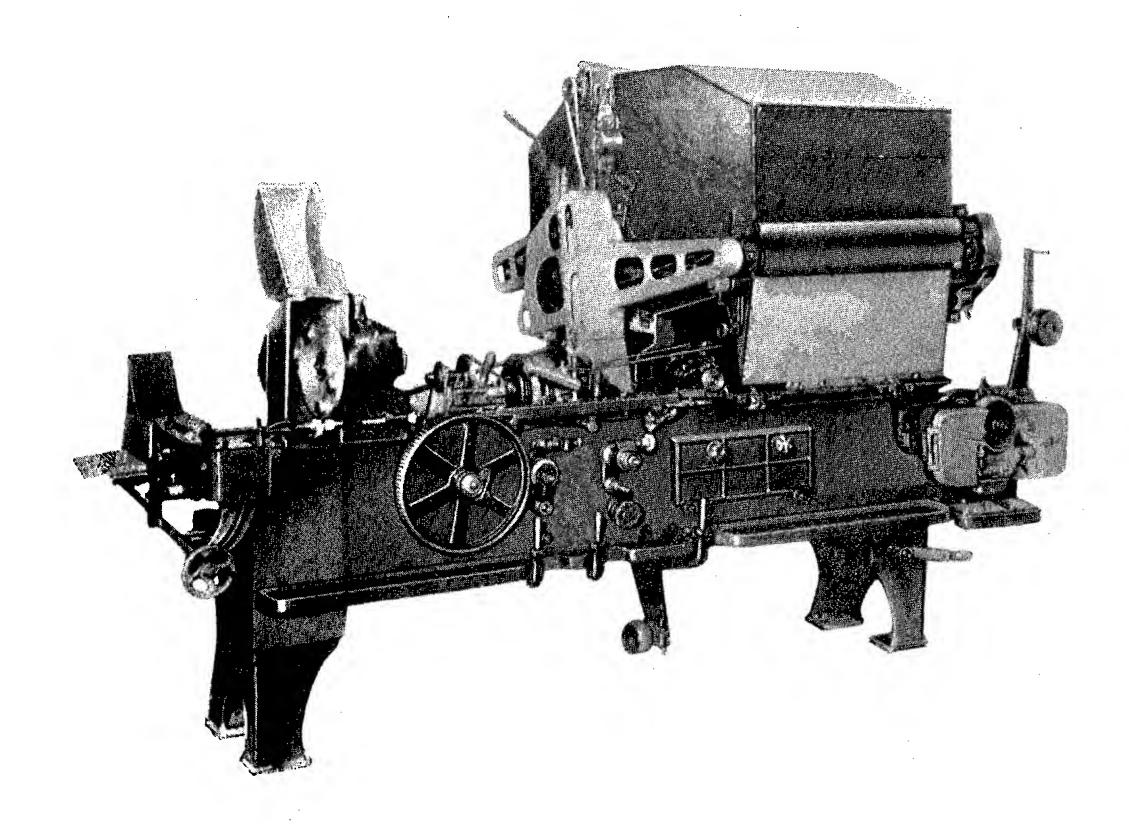
2,200 kg. approx.

Shipping Space:

4.8 cu. meter approx.

捲 烟 機

HIGH SPEED CIGARETTE - MAKING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處:華潤公司

Hong Kong Agency: CHINA RESOURCES CO.

Auxiliary Machines

- 1. Tobacco Cutting Machine with 10" knife: Capacity—140 kgs/hour
- 2. Tobacco Cutting Machine with 16" knife: Capacity—450 kgs./hour
- 3. Stem Crushing Machine: Capacity—200 kgs/hour
- 4. Cigarette Carton Making Machine
- 5. Waxed Paper Wrapping Machine
- 6. Packing Machine
- 7. Knife Grinding Machine
- 8. Tobacco Drying and Cooling Machine
- 9. Unpacking Machine
- 10. Tobacco Leaves Steaming Machine
- 11. Tobacco Leaves Baking Machine
- 12. Flavour Mixing Machine

製安全別針全套設備 SAFETY PIN MACHINES.

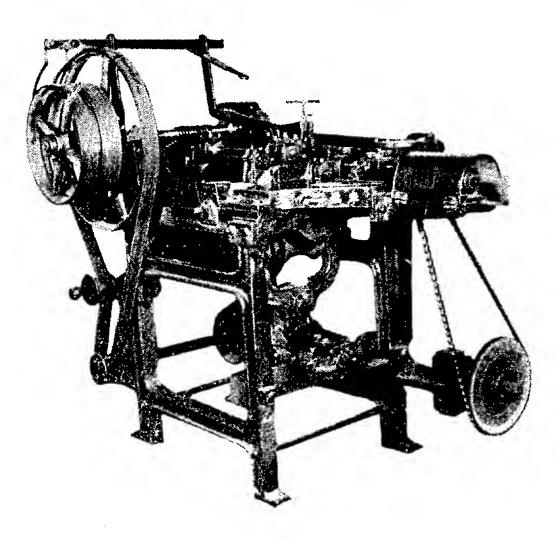
CB.

中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

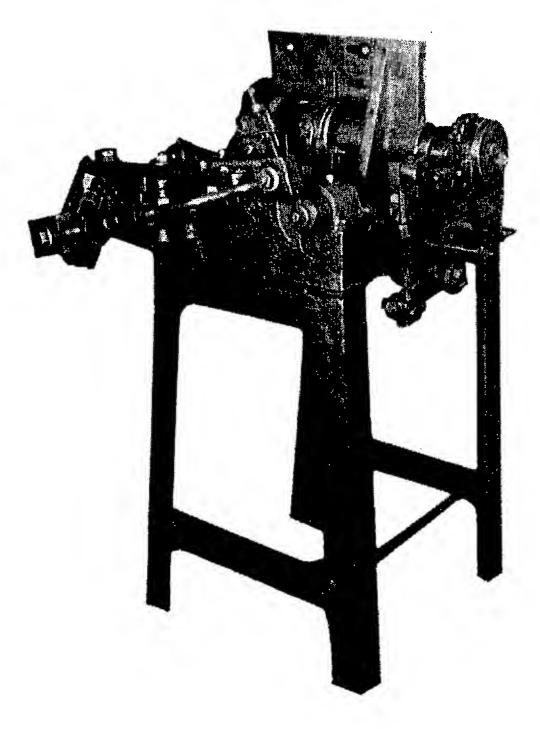
香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

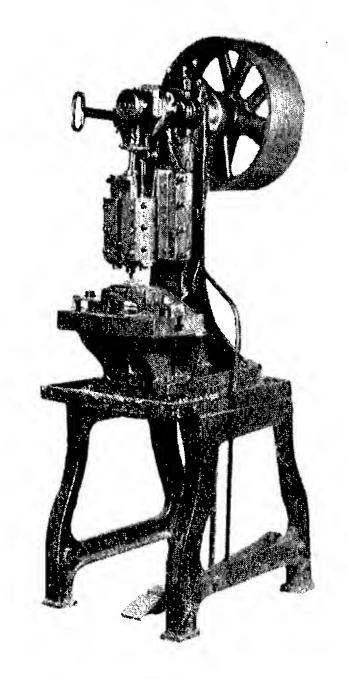
WIRE STRAIGHTENING, CUTTING & SHARPENING MACHINE ITEM I.



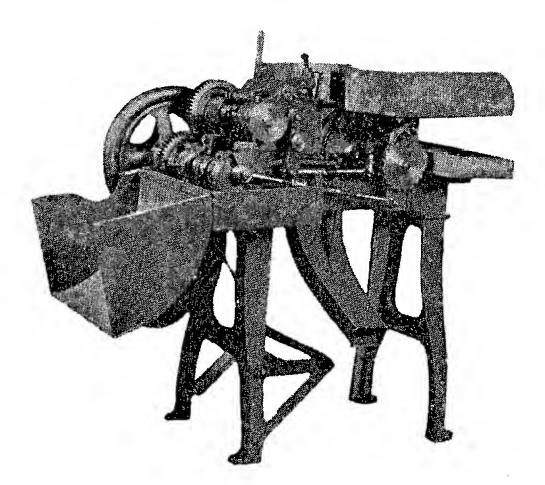
WIRE COILING MACHINE ITEM 2.



雙行程冲頭車 LOCK MAKING PRESS ITEM 3.



捲邊車 LOCK GRIPPING PRESS ITEM 4.



Item 1 Wire Straightening. Cutting & Sharpening Machine.

By means of this machine, low cardon steel wire in the form of coils is straightened, next cut into blanks of definite length (say 6.7 cm), and then one end of the blank is ground to form a sharpened point.

Motor required: 11/2 HP, 960 RPM

Overall Dimension: 1630 x 1150 x 1450 mm

Weight: 800 kg.

Output: 120 pieces per minute

Item 2 Wire Coiling Machine

The blank with one end sharpened is coiled or bent into the required form with a helix giving the effect of a spring.

Motor raquired: 1/2 HP, 960 RPM

Overall Dimensions: 870 x 840 x 1020 mm

Weight: 40 kg.

Output: 120 pieccs per minute

Item 3 Lock Making Press

The Press is of dual action type. In one action, raw material steel sheet is cut into small piece as blank for the other action, under which the blank is pressed to form Lock (but not in its final form).

Motor required: ½ HP, 960 RPM

Overall Dimension: 660 x 510 x 1600 mm

Weight: 310 kg.

Output: 144 pieces per minute

Item 4 Lock Gripping Press

The coiled wire and the Lock after being assembled by hand is fed, manually, into this Press, in which the Lock is pressed into the final form.

Motor required: ½ HP, 960 RPM

Overall Dimensions: 980 x 950 x 1010 mm

Weight: 270 kg.

Output: 120 pieces per minute

Remarks:

The finished product is then electro-plated and the processes are:

- a. barreling, to cleanse the safety pins.
- b. copper-plating, preparatory to nickel plating.
- c. nickel plating.

Particulars for such equipment, as well as those of Punch & Dies for Punching Presses, will be supplied upon request.

製餅干機設備

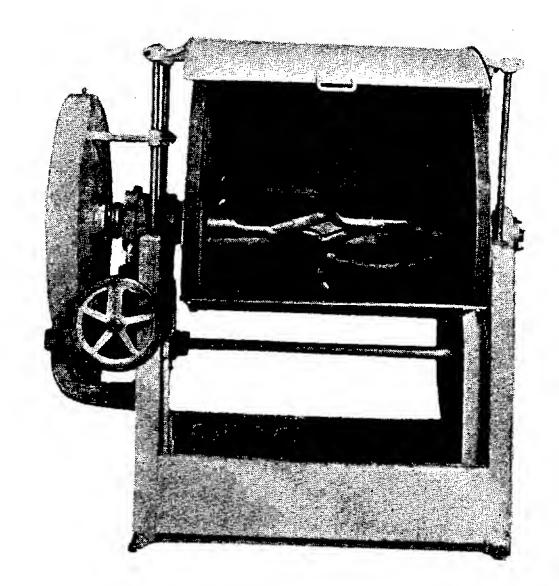
BISCUIT BAKERY EQUIPMENT



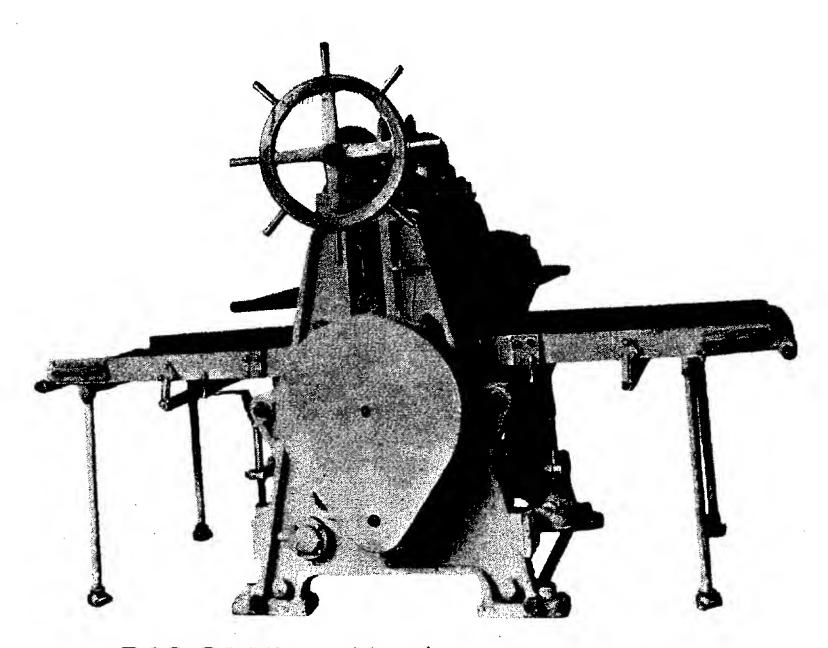
中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

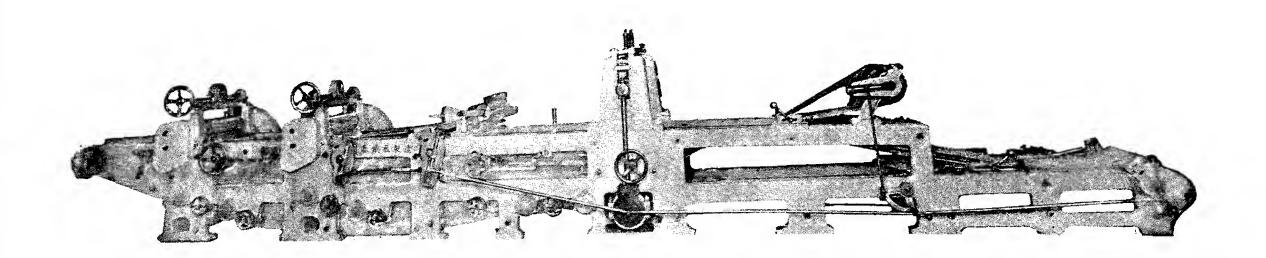


BISCUIT DOUGH MIXER MEDIUM SIZE



BISCUIT MEAL-SHEETER
MEDIUM SIZE

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BISCUIT MOLDING PRESS

MEDIUM SIZE

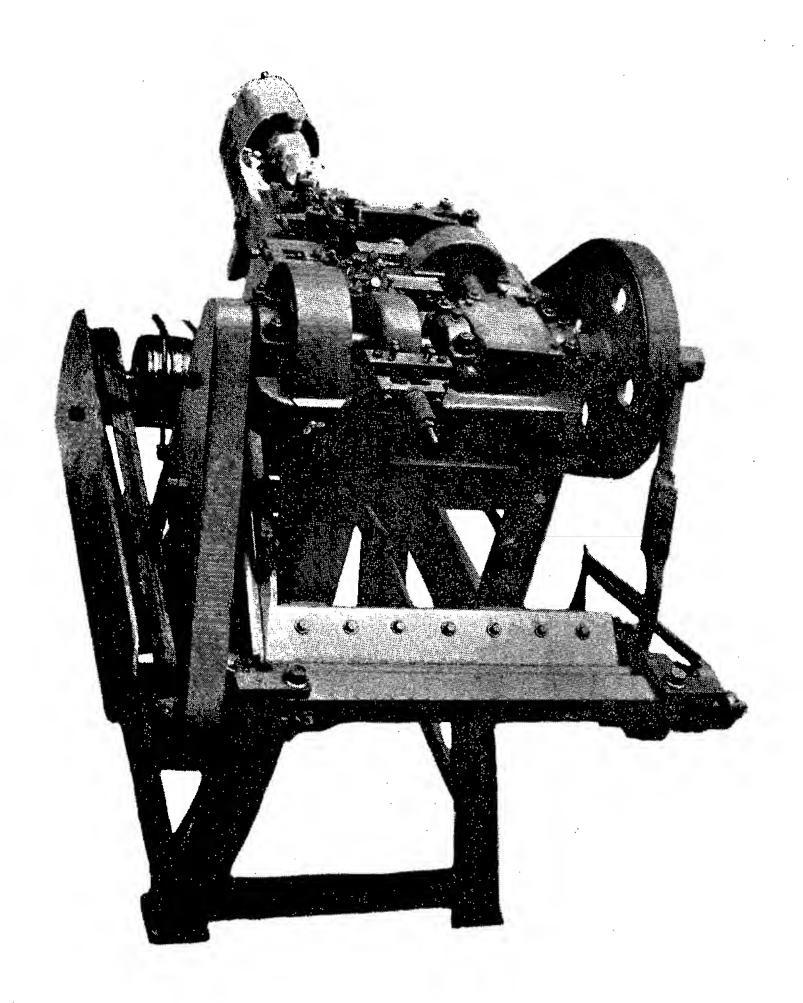
Specification:

1.	a) b) c)	Molding Press (Medium size) 製餅 Adjustable Thickness of Meal Sheets Adjustable Speed of Molding Output Capacity per hour Power Required	3-19 mm 15-130 times per minute. Maximum 370 kgs. Minimum 120 kgs.
2.	а) Ь)	Dough - Mixer (Medium Capacity) # Dimension	Length 1700 mm Width 889 mm Depth 1700 mm 150 kgs.
3.	Biscuit	Power required Meal-Sheeter (Medium Size) 皮子 Dimension of Table	機(中型) Length 2700 mm Width 800 mm
		Attached Equipment: Rubber Belting 76 x 3556 mm Motor Belt Pulley Foundation Bolts Power Required	I pcs. 4 pcs.
4.	a) '	ted Turbo - Fan Oven 炔 爐 Type 10 trays, 5 shelve Oven Conveyor:	Outer Diameter 3150 mm
	Ь)	Size of Fire-Brick Oven Shell	Height 3300 mm Length of Conveyer Axis 4970 mm Length 4700 mm Width 4700 mm
	,		Height 7000 mm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

c) Power Required 2 HP Motor.

製 大 頭 針 機 PIN MAKING MACHINE



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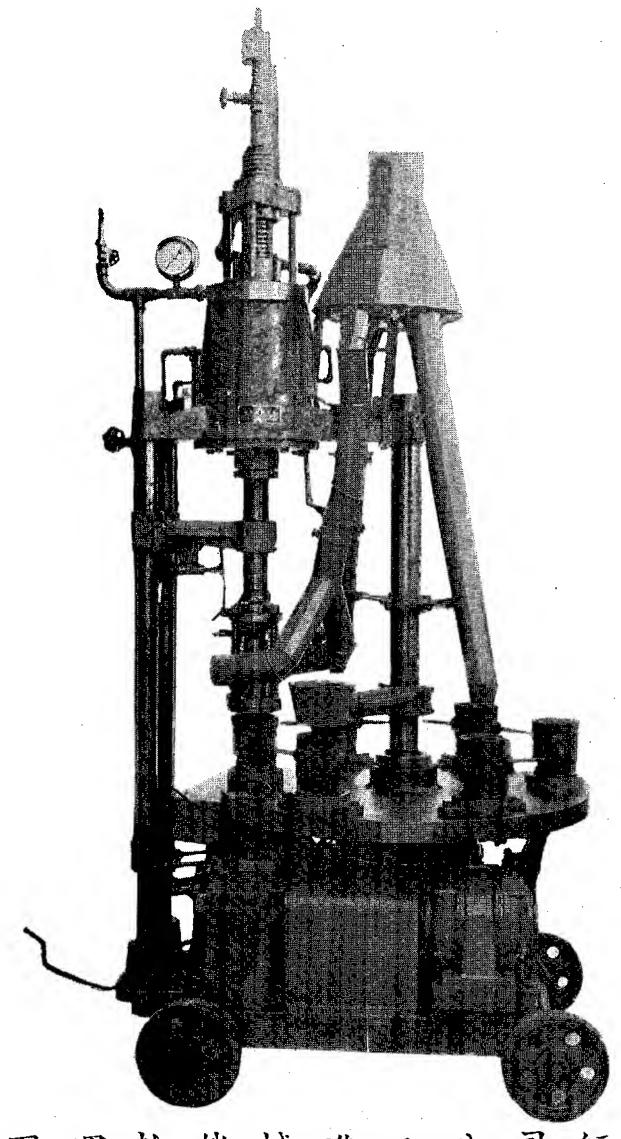
CABLE ADDRESS: "CIRECO."

Height 52 inches

 Weight
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CODE: RT - 8002A

自動壓杯機 AUTOMATIC MOULD FOR MAKING DRINKING GLASS.



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

Driven by electric motor. Compressed air of 40-45 lbs./sq. in. pressure is used. Suitable for making drinking glass. Machine revolves at 11-19 revolutions per minute.

Production:

900 doz. per 8 hour-day

Overall Dimensions:

240 \times 135 \times 110 cm.

Weight:

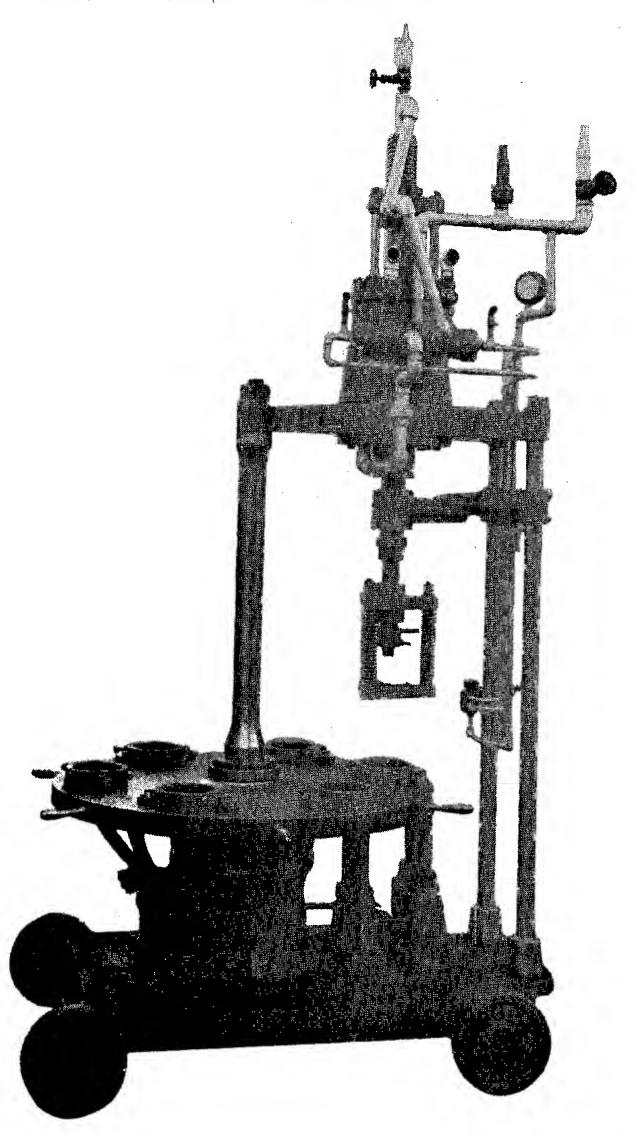
1850 kgs.

Power Required:

1.2 kw.

CODE: RT - 8002B

半自動壓杯機 SEMI-AUTOMATIC MOULD FOR MAKING DRINKING GLASS.



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

Suitable for making drinking glass, dish, etc. with maximum height of 8 inches and diameter of 6 inches. Compressed air of about 45 lbs./sq in. pressure is used.

Production:

450 doz. per 8 hour-day

Overall Dimension:

 $96\frac{1}{2}$ x 52 x 32"

Weight:

1,650 kgs.

CODE: RT - 8002C

三鐵碗吹瓶機 BOTTLE BLOWING MACHINE WITH 3 MOULDS.



中國運輸機械進口公司經售 Parported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

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CABLE ADDRESS: "CIRECO."

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Usage:

Capable of blowing glass bottles

of 50 to 500 cu. cm. contents.

Capacity:

About 6,000 pcs. per 8 hour-day

Overall Dimension:

29" × 29" × 65"

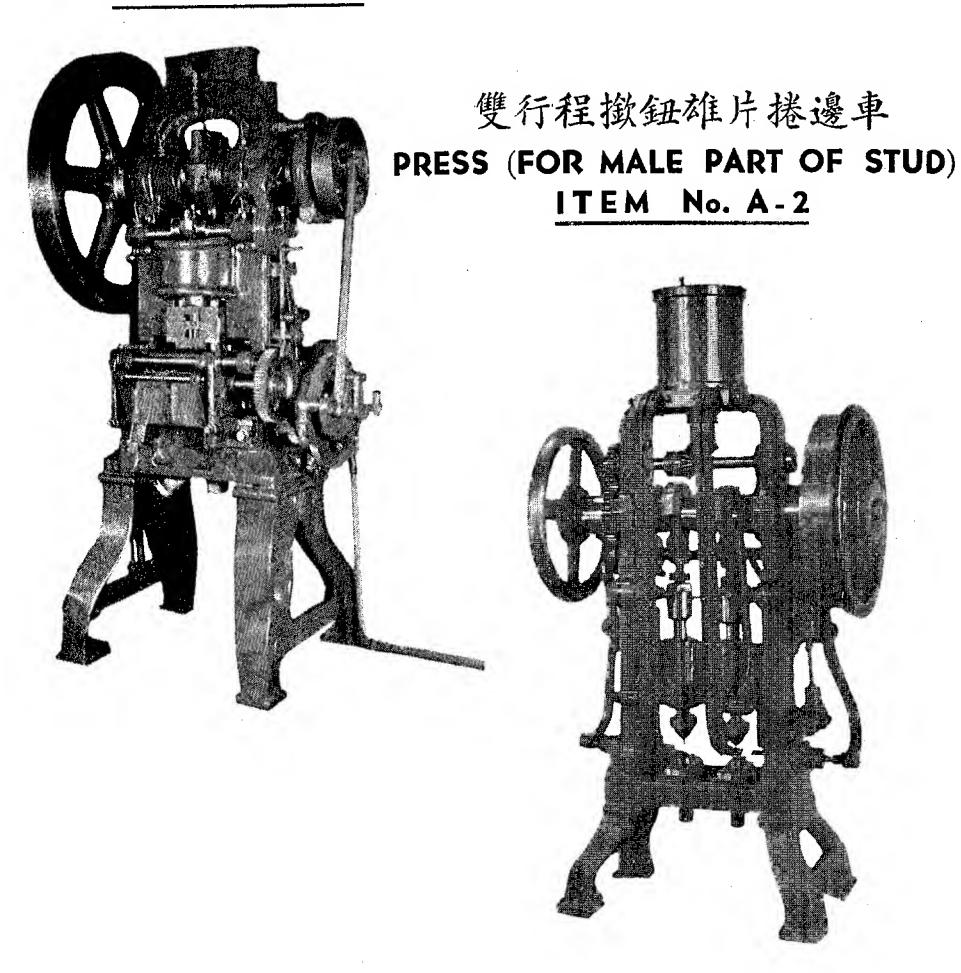
Weight:

850 kgs.

Compressed air of 25 to 30 lbs. per sq. in. pressure is to be used for blowing the glass bottles.

緻 鈕 機 STUD MAKING MACHINES

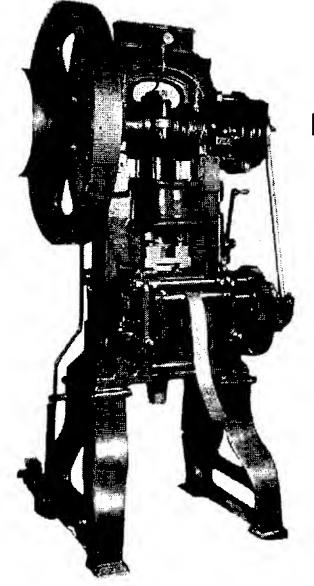
雙行程掛鈕雄片落料翻邊車 PUNCH PRESS (FOR MALE PART OF STUD) ITEM No. A-I



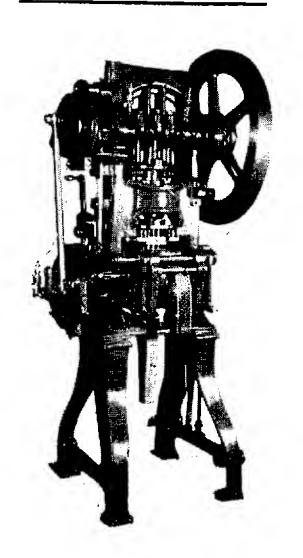
中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

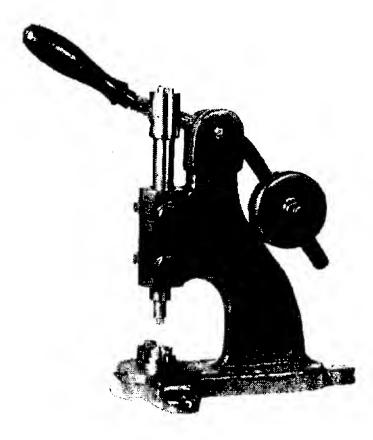
香港代理處: 華 潤 公 司 Hong Kong Agency: CHINA RESOURCES CO.

單行程掛鈕雌片冲條車 PRESS (FOR FEMALE PART OF STUD) ITEM No. B-1



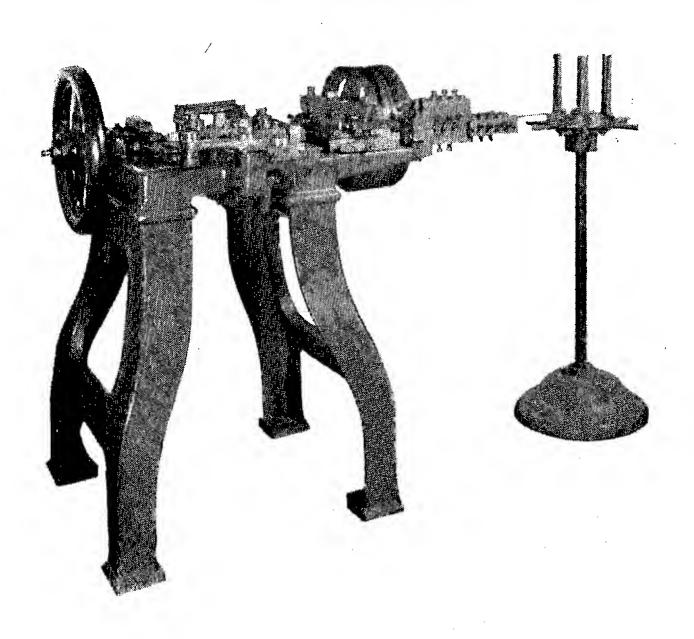
三行程掛鈕雌片落料翻邊車 PUNCH PRESS (FOR FEMALE PART OF STUD) ITEM No. B-2

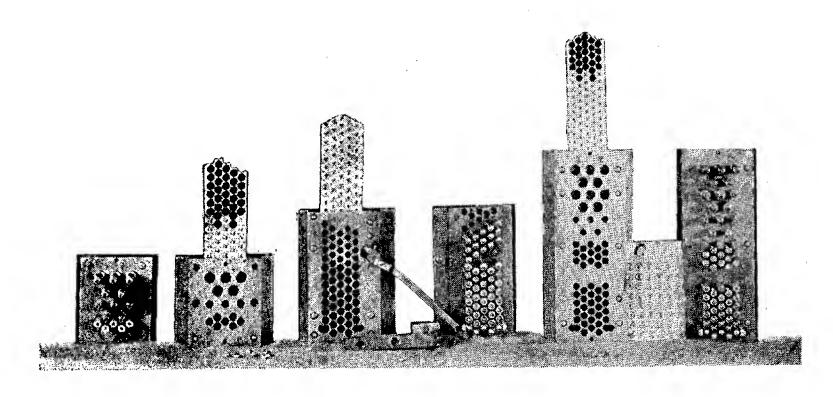




手扳裝撳鈕彈璜捲邊車 HAND DRIVEN PRESS (FOR FEMALE PART OF STUD) ITEM No. B-3

掛鈕銅絲彈簧車 WIRE SPRING MAKING MACHINE ITEM No. C.





掛鈕車冲模 DIES.

Specications:

Name of machine	Spindle speed rpm	Stroke m/m	H. P. required	R. P. M.	Overall diamension m/m	Weigth Kg.	Output per min.
(A) ı	150	29×39	2½	960	1220 × 1070 × 2160	1725	750 pcs.
(A) 2	140	39×39	1/2	960	530 × 310 × 770	130	280 pcs.
(B) 1	150	29	$2\frac{1}{2}$	960	1220 × 1070 × 2160	1700	750 pcs.
(B) 2	150	10 x 30	2	960	990×690×1710	1400	750 pcs.
(В) з				 	390 × 210 × 410	17	18 pcs.
(C)	150		I/2	960	950 × 690 × 970	130	600 pcs.
(D)	500		7 1	·		250	

All power drived machines are coupled to the motor by Vee belt.

The name of machine is listed and explained as follow:

NAME OF MACHINE

(A) For Male part of Stud

- 1. <u>Punch Press</u> for cutting copper or zinc alloy strips into pieces and at the same time bead and sewing holes are formed and edge is turned downward.
- 2. Press for folding the edge of the stud.

(B) For female part of Stud

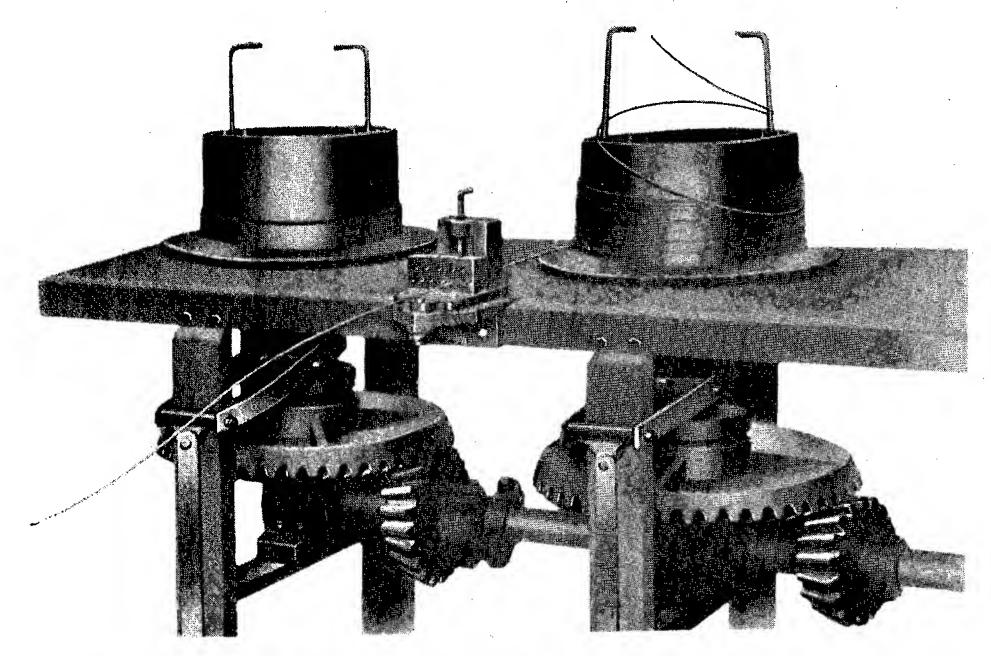
- I. Press for making bead and sewing holes on strips,
- 2. Punch Press for cutting strips into pieces and at the same time edge is turned upward.
- 3. <u>Hand driven Press</u> for folding the edge of the Stud and at the same time wire spring is inserted.

(C) Wire Spring Making Machine

(D) <u>Vertical Air Compressor</u> for the supply of compressed air to each machine to blast scraps from the dies.

CODE: RT - 8004 A

製木螺絲全套設備 WOOD SCREW MAKING MACHINERY



(A) WIRE DRAWING MACHINE (ARRANGED IN SERIES)

Specifications:

Diameter of Drawing drum in inches	Number of rel./min.	Distance between spindles in inches	Thickness of wire to be drawn (B.W.G.)	Weight of Machine in Ibs.	Output in 8 hours in lbs.	Power consumption in H.P.
24	2 5	55	8/0 - 1	3800	6600	12
23	30	51	4/0 - 4	3650	4400	10
22	45	47	1 ~ 8	3450	3520	8
2	5 5	47	4 - 11	3350	2640	6

中國運輸機械進口公司經售

Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

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CABLE ADDRESS: "CIRECO."

(B) SINGLE STROKE OPEN DIE COLD HEADER (UNIVERSAL TYPE)

Size	••• . •••	• • •	• • •

Specifications:

Size	• •	1/8"	1/4"	3/8″
		H-I	H-2	-3
Capacities:				_
Max. dia. of wire S.G.)	• •	0-5	4-10	9-14
Max. length shank	• •	I"	2"	3"
Min. length wire blank		3/8"	I"	$ \frac{1}{2}''$
Max. length wire blank	• •	<u>1</u> "	2-3/8"	3 <u>1</u> "
Output per min. (pieces)	•	225/250	125/150	100
Output in 8 hours (gross)		480/550	300/400	245
Flywheel:			,	_ , ,
Approximate weight	•	150	400	820
Diameter and face	•	Ø24" × 4"	$\emptyset 42'' \times 5\frac{1}{2}''$	ø48" × 8"
Motor:			_	
`H. P	•	2	5	$7\frac{1}{2}$
R. P. M		960	1400	1400
Floor Space	•	2'2" × 3'9"	3'10" × 5'10"	4'5" × 7'9"
Net Weight (lbs.)	•	2500	3750	8900
Boxed Weight (lbs)		2800	4350	•
Boxed dimension		45 cu. ft.		•
(*

HEAD TURNING & SLOTTING MACHINE (TWO SPINDLE MACHINE)

The bolt head is first turned off then slotted, then again finish turned.

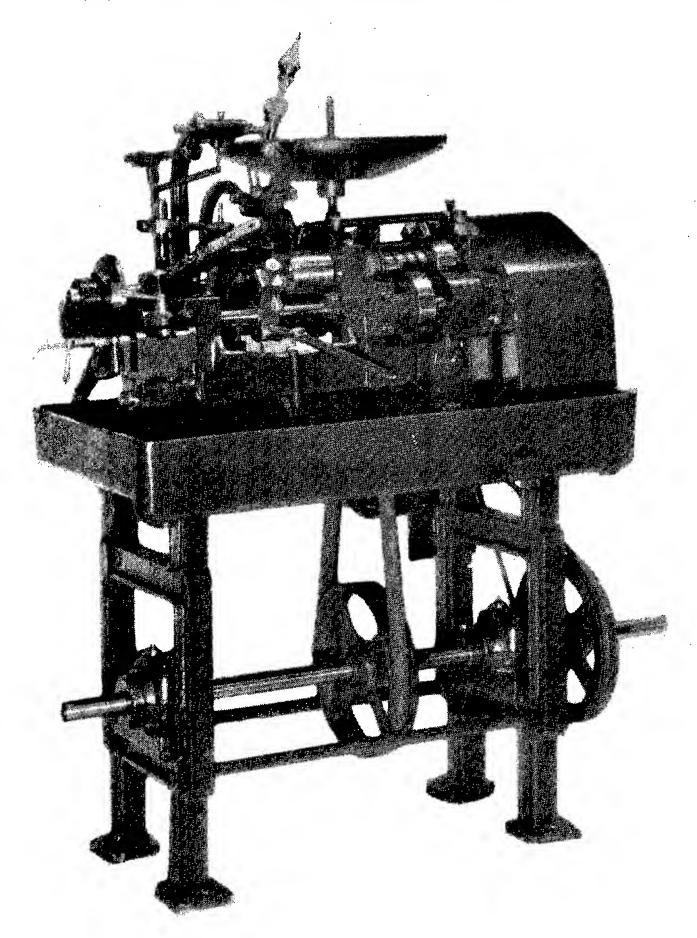
Specifications:

Size	S - 0	S - I
Capacities:		
Max. dia. (S.G.) Wood Screw Gauge	0 - 8	7-14
Max. Length of Wood Screw	.2"	3 ¹ / ₄ "
Output per min. (pcs.)	22 - 24	18 - 20
Output in 8 hours (gross)	60 - 70	50 - 55
Motor:		
Н. Р	0.75	1
R. P. M	1400	1400
Floor Space	2' × 3'	2'6" × 3'6"
Net Weight (lbs)	650	800
Boxed Weight (lbs)	. 800	970
Boxed dimension	40 cu. ft.	46 cu. ft.

CODE: RT - 8004 B

製木螺絲全套設備 WOOD SCREW MAKING MACHINERY

木 螺 絲 車 (D) SCREW THREADING MACHINE



中國運輸機械進口公司經售 Exported by CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

香港代理處: 華 潤 公 司

Hong Kong Agency: CHINA RESOURCES CO.

BANK OF CHINA EUILDING HONG KONG

CABLE ADDRESS: "CIRECO."

Specifications:

Size		T - 0	T - 1	T - 2
Capacities:				
Max. dia. (S.G.) wood scr	rew gauge	0-8	7-12	10-16
Max. length of wood scre			$3/8'' - 2\frac{1}{2}''$	$\frac{1}{2}'' - 3\frac{1}{2}''$
Output per min. (pcs.)			6 - 16	4 - 10
Output in 8 hours (gross)	•••	25 - 50	18 - 40	13 - 25
Floor Space		_	2'6" × 3'6"	$2'6'' \times 4'0''$
Motor:				
H. P	 .	0.5	0.75	1
R. P. M		1400	1400	1400
Net Weight (lbs.)	*** ***	650	003	1000
Boxed weight (lbs.)		_	970	1170
		40 cu. ft.	46 cu. ft.	52 cu. ft.

E) AUXILARY MACHINE & APPARATUS

1. Scouring and Cleaning Drums (Rumblers)

Length	 • • •	 		• • •	34"
Diameter	 • • •	 			22"
Mctor: H. P					
R. P. M					
Net Weight					
Boxed Weight	 	 	• • •	• • •	1320
Boxed Dimension	 	 		• • •	14 cu. ft.

Rumblers with sheet iron cases and those with wood cases are required, the former for scouring the pressed blanks and the latter for cleaning the half finished and the finished wood screws coming from the head turning and slotting machines and the screw threading machines respectively.

2. Milling Cutter Grinding Machine (Automatic Type)

This Machine automatically sharpens the teeth of milling cutter for the head turning and slotting machines, where they have become blunt.

3. Wire Reel

For the heading presses wire reels are required for unwinding the wire.

4. Centrifugal pump directly coupled with motor.

The head turning and slotting machines as well as the screw threading machines requires a constant supply of a solution of soda for cooling the cutter and milling cutter.

Machines for an output of roughly 3000 gross of wood screw for 8 ranging in sizes from screw gauge No. 2 to S. G. No. 14 and 1/4"

hours ranging in sizes from screw gauge No. 2 to S. G. No. 14 and 1/4" to 3" long are as follows:

1 set Wire Drawing Machines
4 heads arranged in series W-1

1 300	Whe bluwing ruchines	
	4 heads arranged in series	W - 1
3 sets	Single stroke open die cold header	1/8" - H - 1
3 sets	Single stroke open die cold header	1/4" - H - 2
2 sets	Single stroke open die cold header	3/8" - H - 3
56 sets	Screw threading Machines	T - 0
24 sets	Screw threading Machines	T - 1
24 sets	Screw threading Machines	T - 2
44 sets	Head turning and slotting machines	S - O
36 sets	Head turning and slotting machines	S - 1

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

VERTICAL DRILLING MACHINE

SPECIFICATIONS

Capa c ity		Vertical spindle head adjust	,
- .		ment, mm	. 200
Maximum drill diameter in	i	Speeds and Feeds	
steel of $50 - 60 \text{ kg/mm}^2$	·	Number of spindle speeds	• 9
tensile strength, mm	25	Range of spindle speeds,	
Distance, end of spindle to	•	r.p.m	97-1360
table, mm:	•	Number of spindle feeds	9
Minimum	0	Range of spindle feeds, mm	
maxinum	700	per revolution	0.1-0.81
Distance, end of spindle to	·	-	
base, mm:		Drive	
minimum	750	220/380 volt, 3 phase, 50	
maximum	1100	cycle A. C. motors:	v
Distance, center of spindle		Spindle drive:	
to column, mm	250	power, kw	2.8
		speed, r.p.m	1420
Table		Coolant pump:	
		power, kw	0.125
Working surface of table,		speed, r.p.m	2800
. mm	500x375	·	
Maximum vertical travel of		Space Occupied	
table, mm	3 25	Floor space, mm	962x825
		Height of machine, mm	28 0 0
Spindle			
		Weight	
Taper in spindle	Morse No.3		
Maximum_vertical spindle		Net weight , kg ap	prox.980
travel, mm	175).	

VERTICAL DRILLING MACHINE

SPECIFICATIONS

Maximum drill diameter in steel of 50-60 kg/mm ² tensile st	trength 35 mm.
Distance, end of spindle to table, mm: minimum/maximum	0/700
Distance, end of spindle to base, mm: minimum/maximum	705/1130
Distance, center of spindle to column, mm	300
Working surface of table, mm	450x500 325
Maximum vertical travel of table, mm	325
Spindle	
•• · · · · · · · · · · · · · · · · · ·	Morse No. 4
Taper in spindle	225
Vertical spindle head adjustment, mm	200
Speeds and Feeds	
Number of spindle speeds	9
Range of spindle speeds, r.p.m	68 - 1100
The following range may be offered by spicial order	
Number of spindle feeds	11
Range or spindle feeds, mm per revolution	
Drive	
220/380 volt, 3 phase, 50 cycle A. C. motors:	
	4
Spindle drive:	١. ٢٠
power, kw	1440
Contemp l'appella accesses es e	工作件()
Coolant pump:	ר זמר
power, kw	0.125
speed, r.p.m	2800
Floor space, mm	1300 x 835
Height of machine, mm	2570
Weight	
Nett weig ht, kg	approx. 1650

RADIAL DRILLING MACHINE

Main Specifications

Max. drilling dia. Distance, spindle centre to column surface(overhang) min/max. mm. 450/1500 Distance, spindle nose to table (min/max.)
Distance, spindle nose to table (min/max.)
Distance, spindle nose to base (min./max.)
Max. travel of spindle (mechanically and manually) mm.
Taner in spindle bore Morse No. 4
TOUGHT THE DIVITION DOTO AND ADDITION OF THE PROPERTY OF THE P
Max. travel of spindle head
Max. vertical traverse of arm on column
Max. swing of arm on column
Vertical rapid movement of arm per min 1200
No. of spindle speeds
Range of spindle speeds 45-2000.
No. of spindle feeds Range of spindle feeds per l revolution of spindle mm. 0.03 -1
3 9, A. C. motors:
for feed box:
output/speed
₽
output/speed
for coolant pump:
output/speed
output/speed
Overall dimension (L x W x H) mm. 2500 x 970 x 3350
Nett weight, approx kg. 4100

UPRIGHT DRILLING MACHINE

Capacity:		
Max. drilling Dia. in cast iron	mr	n. 18
in steel	mm.	. 16
Spindle		
Max. travel of spindle	150	omm.
Taper in spindle bore	Morse No	o. 2
Table		
Working surface	350 x 350	omm.
Vertical travel of table	450	omm.
Distance, spindle nose to table: min	30	omm.
max	650	omm.
Machanism		
No. of spindle speeds		6.
Range of spindle speeds	310-2975	rpm.
feed per revolution of spindle	Ö.	2 mm.
Power, space & Weight		
3 Ø, A. C. inducing motor: power/speed	l kw/930	Orpm.
Space required (L x W x H)	900 x 600 x	1720
Nett weight	about. 430	O kg.

HORIZONTAL BORING, DRILLING AND MILLING MACHINE

SPECIFICATIONS

Capacity Diameter of spindle, mm 85 Taper in spindle Morse No.5 Maximum axial travel of spindle, MM 600 Maximum distance, end of spindle to	Range of table and headstock feeds, mm per revolution of spindle0.025-8 Range of table and headstock feeds, mm per revolution of face plate.0.0516 Range of face plate slide feeds, mm per revolution of face plate 0.025-8
bar support, mm 2220 Table	Speed of rapid axial movement of spindle, m/min
Working surface of table, nm 1000x800 Maximum travel of table (by power and manually), m.m.:	Speed of rapid longitudinal and cross movements of table and vertical movement of headstock, m/min. 2.4
longitudinal	Speed of rapid movement of face plate slide, m/min
Face plate diameter, mm 630 Maximum radial travel of face plate	Drive
slide, mm	220/380 volt, 3 phase, 50 cycle A.C. motors:
minimum	Main drive (two-speed): power, kw
Speeds and Feeds Number of spindle speeds 18	speed, r.p.m 1500/3000 Rapid traverse:
Range of spindle speeds, r.p.m. 20-1000	power, kw 2.8
Number of face plate speeds 14 Range of face plate speeds, RPM.10200	speed, r.p.m 1500
Number of longitudinal and cross feeds of table, axial feeds of	Space Occupied
spindle, vertical feeds of headstock and radial feeds of face plate slide.	Floor space, mm 5070x2230 Height of machine, mm 2755
Range of spindle feeds, mm per re-	Weight
volution of spindle 0.0516	Net weight kg approx.11600

Code No.: <u>6M-1029</u>

TOOL CUTTER GRINDING MACHINE

Main Specifications:	
Max. size of cutter to be ground	$50 \times 50 \text{ mm}$
No. of grinding wheel	2
Dimension of grinding wheel:	
Outside diameter	250 mm.
Bore	100 mm.
Width	150 mm.
Spindle speeds	2280 rpm .
3 Ø. A. C. motor.	
for main drive	•
Power	2.2 kw.
Speed	3000 rpm.
for coolant Pump.	
Power	0.15 kw.
Speed	2500 rpm.
Overall dimension (L x W x H)	1510 x 1100 x 1365.
Nett weight	about. 1200 kg.

MULTI-TOOL SEMI-AUTOMATIC LATHE

Main Specifications:

Centre height	150 mm.
Distance between centres: Min/Max	0/300 mm.
Max. distance, spindle nose (120mm) to centre of tailstock	325 mm.
Max.turning dia.	
round bar	32 mm.
swing over carriage	300 mm.
swing over bed ways	200 mm.
Max. turning length (with 2 cutters):	
use the tool post for complex turning	250 mm.
use the tool post for simple turning	260 mm.
Max. longitudinal travel of front tool slide:	
Complex turning: mechanically (working)/manually (adjusting)	100/200.
Simple turning: " " " "	150/250.
Max. longitudinal travel of rear slide:	,
mechanically (working) /manually (adjusting)	90/155 mm
Max. travel of centre sleeve	120 mm
Spindle speeds: 105;131;154;196;236;296;254;442;532;680;794;1000	r.p.m.
Longitudinal feed of fronttool slide per revolution of spindle:	
0.07; 0.10; 0.16; 0.23; 0.32; 0.48; 0.72; 1.02 mm.	
No. of transverse feeds per each of longitudinal feed	12
Range of transverse feeds of rear tool slide per revolution	
of spindle; 0.03	19-2.51 mm
3 Ø, A. C. motors:	
Main drive: Power/speed 5.8 kw/	1450 r.p.m.
Coolant pump: power/speed 0.25 kw/	2800 r.p.m.
Overall dimension (L x W x H)	x 1340 mm.
Nett weight: about	. 1800 kgs.

Code No.: <u>6M-2001</u>

PNEUMATIC GRINDER

Maximum dia. of grinding wheel	150 mm.
Weight	6.7 kgs.
Over-all length	638 mm. (appr).
Air pressure	5 atm.
Air comsumption	$1.7 \text{ m}^3/\text{min.}$
Power not less than	1.4 HP.
R.P.M. (Running idle)	4000 - 4500.
R.P.M. (at full load)	3000.
Inside \emptyset of hose	16 mm.

DIESEL ENGINE

1.	Type	Vertical,4-stroke
2.	Rated output	90 H.P.
3.	Number of cylinders	4
4.	Bore	160 mm.
5.	Stroke	225 mm.
6.	Compression ratio	16: 1
7.	Speed	750 r.p.m.
8.	Cooling method	Water.
9.	Starting system	Air.
10.	Net weight	1940 kgs.
		•

Code NO.: <u>6M-3002</u>

DIESEL ENGINE

Type	Vertical,4-stroke
Rated output	300 H.P.
Number of cylinder	6.
Bore	250 mm.
Stroke	300 mm.
Compression ratio	15: 1
Speed	600 r.p.m.
Cooling method	Water.
Starting system	Air.
Net weight	6440 kgs.

AIR COMPRESSOR, STATIONARY TYPE.

Free air capacity		$6 \text{ m}^{-1}/\text{ min.}$
Delivery Pressure		7 atm.
Speed		730 r.p.m.
No. of compression stages		2
Motor	40 kw,	730 r.p.m.
Overall dimensions (L x W x H)	2120x9 0	5x1261 mm.
Nett weight (including motor)		1360 kgs.

Code No.: 6m*3004

AIR COMPRESSOR, STATIONARY TYPE

Free air capacity	10 m ³ /min.
Delivery pressure	8 atm.
Speed	480 r.p.m.
No. of compression stages	2.
Motor	80 kw, 1000rpm.
Overall dimensions (L x W x H) l	.550x1700x1865 mm
Nett Weight:	2050 kgs.

Air Compressor, stationary type.

Specification:

Free air capacity

Air pressure

Speed

No. of stages

Cooling

Motor

Overall dimensions(L x W x H)

Nett weight:

 $40 \text{ m}^3/\text{min.}$

8 atm.

330 r.p.m.

2

Water cooling

250 kw,750 r.p.m.

2550x3260x2470 mm

8900 kg.

Code No.: <u>6M-3006</u>

CENTRIFUGAL PUMP.

Capacity	
Head of delivery:	
Speed:	2900 r.p.m.
Electric motor:	4.5 kw.
Max. suction head:	7, 6.4, 5 m.

CENTRIFUGAL PUMP.

Capacity	32.4, 45.0, 52.2 m ³ /h.
Head of delivery	21.5, 18.8, 15.6 m.
Speed:	2900 r.p.m.
Electric motor:	4.5 kw.
Max. suction head:	6.5, 5.5, 5.0 m.

Centrifugal Pump.

Specification:

Capacity

Head of delivery:

Speed:

Electric motor

Max. suction head

30, 40, 50 m^3/h .

48.5, 44, 37 m.

2900 r.p.m.

10 kw.

7.5, 7.5, 6.4 m.

JAW CRUSHER.

Specifi	cations:
PPOCTTT	COLUMNIC

Dimensions of the feed-opening	$432 \times 254 \text{ mm}$.
Dimensions of the minerals to be fed	180 mm.
Width of the outlet opening	35-65 mm.
Capacity: (when limestone is to be crushed)	
when the outlet opening is 35 mm	ll tons/hr.
when the outlet opening is 65 mm	21 tons/hr.
Speed of the main shaft	250 r.p.m.
Dimensions of the transmission wheel (Dia x Width)	800x300 mm.
Motor:	
Power	16 kw.
Speed	980 r.p.m.
Overall dimensions (L x W x H)	30x1701x1510mm.
Weight: a	pprox. 8000 kgs

JAW CRUSHER.

Dimensions of the feed-opening	250x175 mm.
Width of the outlet opening	20-50 mm.
Max. dimensions of ores to be crushed	120 mm.
Capacity: When the outlet opening is 20 mm	2 ton/hr.
When the outlet opening is 50 mm	5 ton/hr.
Size of pulley	50 x 180 mm.
Speed of the main shaft	250 r.p.m.
Motor:	
Power	4.5 kw.
Speed	980 r.p.m.
Overall dimensions (L x W x H)	4x950 mm.
Weight (includes motor) abt.	1800 kgs.

HAMMER DRILL.

Rated power	2-2.8 H.P.
No. of strokes per min	1500-1700.
Air pressure	4-5 atm.
Hammering force	6-7kg-m.
Max. depth of drilling	4000 mm.
Overall dimensions (L x W) (without drill)	600 x 461 mm.
Net weight	30.5 kg.

PNEUMATIC PICK.

Rated power	0.8 H.P.
No. of stroke per min	9 5 0
Air pressure	4 atm.
Hammering force	3.5 kg-m
Total length (without pick)	570 mm.
Net weight	10.6 kg.

A. C. Arc. Welder

Specification:

Welding transformer, single phase, voltage 220/380 V.

Secondary winding no load voltage: 1st step 70 V.

2nd step 60 V.

Range of welding current: 1st step 50-220 A.

2nd step 200-450 A.

Input power: 21 kw.

Working power: 9. 9 kw.

UNIVERSAL BAND SAW MACHINE

I.	Wheel diameter	
2.	Speed of wheel	
3.	Max. sawing height	
4.	Max. sawing width	
5.	Max. width of sawing blade	
6.	Work table	•
7.	Max. inclination of table	
8.	Electric motor:	
	power 4.5 kw.	
	Speed	
9.	Overall dimension (L x W x H) 1809x943x2650mm	. •
10.	Weight approx.920 kgs	•

Universal Circular Saw

Specification:

I. Work piece

6. Electric motor

Max. height 120 mm.

Max. width 400 mm.

2. Max. diameter of saw blade 500 mm.

3. Speed of saw blade 2800 r.p.m.

4. Max. inclination of work table 45 C.

5. Lifting height of work table 100 mm.

Power 5.1 kw.

Speed 3000 r.p.m.

7. Overall dimension (L x W x H) 1140x900x1150 mm.

8. Weight Approx. 500 kgs.

HANGING OSCILLATING CIRULAR SAW

I. Max. sawing height	225 mm.
2. Max. sawing width	500 mm.
3. Diameter of sawing disc	650 mm.
4. Bore diameter of blade	35 mm.
5. Speed of sawing disc	1500 r.p.m.
6. Speed of belt of sawing disc	50 r.p.m.
7. Electric motor:	
Power	4.5 kw.
Speed	1500 r.p.m.
8. Weight	280 kgs.

Single Side Planing Machine

Specification:

Max. width of planing
 Max. thickness of planing
 Max. thickness of planing

3. Min. thickness 5 mm.

4. Overall dimension (L x W x H) 600x840x1120 mm.

5. Weight Approx. 400 kgs.

THREE SIDE PLANING MACHINE (FOR WOOD-WORKING)

I.	Work Piece: Max.		
		Three sides	300 mm.
		Surface	450 mm.
	Min	width	50 mm.
	Max.	thickness	7.00
	•	Three sides	120 mm.
		One side	150 mm.
2.	Min. thickness of	f planing	lo mm.
-		(two kinds)	$6-9m/\min$.
	•16	Horizontal planing	20 m/sec.
~ •	Spood or odegon	Vertical planing	20 m/sec.
مر	Dandana		Belt.
_			_
		f cutting	6 mm.
7.	Diameter of hori	zontal & vertical planing	160 mm.
8.	Speed of planing	spindle	•
•		Horizontal planing	3200 r.p.m.
		Vertical planing	3500 r.p.m.
Ω	Floatnic motor		A. C.
7 •			
	power.		7110
	Speed.		THAO L.D.M.
10.	Overall dimensio	$n (L \times W \times H)$ 1620	x1460x1200 mm
11.	Weight	App	rox.1300 kgs.
	C)		

FOUR SIDE PLANING MACHINE (FOR WOOD-WORKING)

I. Work piece Max. width	300 mm.
Max. thickness	. 125 mm.
Min. length	400 mm.
2. Number of cutter spindles	
Horizontal cutter spindles	. 2
Vertical cutter spindles	. 2
Spindle diameter	. 180 mm.
Speed of spindle	. 2900 r.p.m.
Moving space of vertical	
cutter spindle	. 100 mm.
3. Electric motor	. A. C.
4. Fedding of speed	. 6,8,11,22&32.
5. Overall dimension (L x W x H) 2250	x1350x1610 mm.
6. Weight App:	rox. 2700 kgs.

COMPLETE EQUIPMENTS FOR MANUFACTURING ENAMELLED WARES

- (I) 40 Drawing Press (Pressure from both upward and downwar): Output 2500 pcs of 34 or 36 cm Wash Basin per day of 8 hours.
- (2) 30 cm Drawing Press (pressure from both upward and downward): Output 4000 pcs bowls or 2000 pcs cups per day of 8 hours.
- (3) Spinning Machine for folding and polishing the edge of wash basin: length 84", Width 15", suitable for 34-36 cm wash basin.
- (4) 40 cm Shear: daily output 3000 pcs blank plates of 34-36 cm wash basins.
- (5) 30 cm Shear: daily output 3000 pcs blank plates of bowls.
- (6) NO. 3 Punch: daily output 4500 pcs of foot of bowls.
- (7) No. 4 Punch: daily output 4000 pcs of small parts.
- (8) Bench Roller: for folding foot of bowl.
- (9) 52" stone Grinder for grinding enamel power: maximum capacity 600 kgs.
- (10) 30" Stone Grinder for grinding coloured enamel power: maximum capacity 250 kgs.
- (11) Stone Grinder with sieves for grinding granite.
- (12) Crusher for crushing antimony.
- (13) Mixer: motor driven and made of wood, maximum capacity 350-400 kgs.
- (14) Spinning Machine: length 66", width 12", daily output 1500 pcs.
- (15) Dies: for 36 cm wash basins, 7.2 cm bowls and 9-10 cm cups.
- (16) 36 cm Press: daily output 2500 pcs.
- (17) Attachments of Spinning Machine: for cutting, folding and Polishing.
- (18) Folding Machine.

SILK BOLTING CLOTHS

Specification:

Uses: For Flour Mill Industry, Dyeing Industry, & Painting Industry.

Gauges: (1) GG 20,22, 26,28,30,32,38,40,42,44,46,48,52, 54.

- (2) GG 56, 58, 60, 62, 64, 66, 68, 70, 72,.
- (3) XX 0000, 000, 00, 0, 1.
- (4) XX 2, 3, 4, 5, 6, 7, 8.
- (5) XX 9.
- (6) XX 10.
- (7) XX 11.

25X1

